

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997
From: Cecil A Moore <Cecil_A_Moore@ccm.ch.intel.com>
Subject: [14012] \$1 cap = perfect antenna

A lot of hams use the balanced output from their T-net antenna tuner to drive their balanced transmission line. This is not an optimum configuration since the 4:1 balun in tuners like the MFJ-949, tries to divide the impedance by 4.

Let's say we have a 102 ft physical-dipole fed with 450 ohm ladder-line. At the I_{max} (current loop) we see 25 ohms. Our balun is designed for 200 ohms. It tries to transform 25 ohms to 6.25 ohms which is not an efficient point for the balun or tuner.

Away from the I_{max} point, reactance starts to mount, something our balun is not designed for. So in this common antenna system, how do we solve the problems? (This example is on 7.2 MHz with a 100 ft feedline.)

If we put a 285 pf parallel capacitor across the balanced terminals of the tuner, we will achieve a resistive 200 ohms because we are placing it 100 ft from the antenna at a PC-200 point. The balun likes the 200 ohms and the tuner likes the resulting 50 ohms. We can do this for our favorite frequency and use the tuner to achieve a match when we tune away from this center frequency as the SWR slowly rises. But the impedance seen by the tuner around this center frequency is well within its efficient matching range.

What we have accomplished with a single capacitor makes the tuner see the same impedance that it would see with a 50 ohm half-wave antenna fed with 50 ohm coax, i.e. the tuner cannot tell the difference between our non-resonant length antenna and the resonant dipole.

Actually, our 102 ft physical-dipole is better because the half-wave dipole impedance is not likely to be exactly 50 ohms but we force our 102 ft system to be exactly 200 ohms AND we can do it for all the HF bands.

73, Cecil, W6RCA, 00TC

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997
From: Ron Giuntini <rong@slip.net>
Subject: [13932] 38S Pots
Message-ID: <E0w2qlQ-0002EB-00@ferret>

What is the best choice for the pots in the 38S? Linear or audio taper?

Ron, KB6GK

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997
From: ed.welch@cheaha.com (ED WELCH)
Subject: [14000] 38S thumper & mod questions..summation, maybe?
Message-ID: <8D374FA.0004001276.uuout@cheaha.com>

-> Well, our mail server went down and I think I missed the resolution
-> to that problem...could anyone enlighten me as to the final solution
-> and fix? Also are there any other "must make" mods other than those
-> posted on the Norcal web page?

My server didn't go down (this time) but I did have to set QRP-L on
postpone. Having got my 38S receiving and xmitting at abt 200mW with a
loud thump I'm very interested in finding out if there's been a "final"
mod designed to correct this. So, can we post these (almost) final
fixes and mods to the list. Maybe a "mod summary"? Tnx!

72/73

Ed Welch KF4KRV

NorCal Member #???

1st Grand Poobah ScQRPion of Alabama

QRP-L #873 - FISTS #2964

Luverne, Alabama

Crenshaw County - Grid EM61

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+-----+  
-----+ Norcal 40a es Straight Key es Wire-wrapped Trees +-----  
+-----+
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> Isn't "time" a 4-letter word? <

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997
From: Ron Giuntini <rong@slip.net>
Subject: [14031] 38S TiCK and 5W Mods
Message-ID: <E0w37oF-0003H2-00@ferret>

Is there a final resolution to the necessary updated modifications which
give the best results for these two additions to a fun project...BTW, I
notice that there are over 700 38S kits out there, and it seems that there
have been only a few folks reporting difficulties, sometimes the result of
installing components backwards...I think this is probably better than
Heathkits enjoyed...I look forward to a nice radio, but I have seen so many

postings regarding improvements to the mods that I admit to confusion...Is
the a way to "get it right"?

Ron, KB6GK

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
Subject: [14026] 50/40/30 QRP WAS challenge
Message-ID: <199703072005.0AA22465@multi13.netcomi.com>

***** Announcement of the 1997 *****
50 States on 40 and 30 Meters (50/40/30) WAS challenge

Greetings to all on QRP-L,

Fifty States in Fifty Days (FSFD) was a lot of fun, but it's over for this
year. All is not lost, however, because the 50/40/30 challenge is coming!

The purpose of the 50 states on 40 and 30 meters WAS challenge is to
provide an opportunity for members to finish off their personal QRP WAS
goal over the next year while still maintaining a balance between work,
family, and ham radio. It is also an opportunity for members to complete
QRP single band WAS, starting with 40 meters.

Will you accept the challenge to work all fifty states on forty meters
using QRP in 1997?

Here's how it works:

Volunteer operators in each state will be on 40 meters and 30 meters for
two hours each in the evening. 50/40/30 operations will be scheduled for
Tuesday and Thursday evenings each week (local time). Each week will have
two states to work. To make things easier to remember, all 50/40/30
operations will take place at the same time unless unforeseen problems
force a change, so keep your eyes open for announcements. The normal
operating schedule is Wednesday and Friday (UTC), 30 meters: 0000Z to
0200Z, and 40 meters: 0200Z to 0400Z.

Forty meters is the main band used for this challenge. Thirty meters is
added as a special treat, but 30 meter QSOs will not count for the prizes.
Even those OTs who worked all fifty states fifty years ago know how hard it
is to do it all on one band. Here's your chance.

The exchange is CALLSIGN, RST, STATE/PROVINCE/COUNTRY, NAME, POWER. The
state will call CQ WAS QRP de KL... All QSOs are limited to 5 watts or

less, of course. Only fully completed QSOs with all the information will count for the awards, though partial exchanges may qualify you for other organizations' wallpaper. (QRPers like to do things the hard way!)

Speaking of awards, there will be certificates issued to those who work 30, 40, or 50 of the states. In addition, the station who works the most states will receive a brand new 38 SPECIAL kit for his or her effort! (In case of a tie, a random drawing will select the award winner.) The noble volunteers who represent a state will also be entered in a separate random drawing for a second 38 SPECIAL transceiver kit.

The state's logs will be posted here on QRP-L, and a monthly update of status will also be posted.

Fifty on Forty and Thirty will begin very soon. The exact schedule will be posted Real Soon Now, but the first state to appear will be on March 18 UTC (that's March 17 US time). There will be two states each week until the beginning of September. That will give you a few weeks to catch your breath before fox hunting begins again. The states will be scheduled in random order.

Stay tuned for more information.

***** PATRIOTIC CALL TO DUTY *****

There are still a few slots open for state representatives, so accept the challenge!

This is a call to your sense of patriotism! Statesmen and Stateswomen are called to represent your local state in the diplomatic exchanges scheduled for 1997. Here is your opportunity to rise above the status of common citizen to the glory of higher office and national service. We want you! History awaits you.

Please email K1MG (mgipe@reliablemeters.com) to volunteer your service. Operators from all states and all levels of experience are needed, so volunteer today. Who knows, you might actually work all 50 states in ONE NIGHT!

50/40/30 or fight!

Mike K1MG
Saratoga, CA

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997
From: mdwatt@usit.net (Marty Watt)
Subject: [13942] A long, sad 38 Special story ...
Message-ID: <3320bb86.138315734@smtp.usit.net>

I've said from the beginning I'm no technician ...

Spent about 8 hours yesterday and today assembling the 38 special,
with the 5 watt mod.

Put everything together, took my time. Everything looked good. Had
to locate some caps -- no problem. Electronic supply house in town
is moving. No T0-220 installation kits available, or 4-40 nylon
screws either. OK, get them when it's ready for the case. Look at
the board one more time. Hmmm. Are these electrolytics oriented
right? No. Take them out, and reverse them. The banded end is
negative. OK, the folks said simple, not idiot-proof.

Power on -- nothing. Oh s**t. The leads on the power cord are
backwards! OK, no tragedy. Also forgot to turn on the power
supply, so no power actually applied. Switched the power leads,
turn on supply, and voila! Power. No smoke.

Next step, align receiver. Uh Oh. No antenna available. OK, we
just need a signal, right? Break out the trusty-rusty outbacker.
Plug it up for 30m, attach to mount on vice grips, attached to the
chain link outside. No transmitting, so no problem. Problem. No
signals. Anywhere.

Hmmm. Perhaps this SWR thingy from MFJ can come in handy. Set it
for 10.110. Lots of noise, but a signal, even through the dummy
load connected to the 38S. Peak TC1 for max signal. Only one peak.
Why? Unknown. Must continue. Getting late. Peak for max signal
and leave it.

Plug in key -- hit the key. No smoke. Ugh. Good. Connect
wattmeter in line. No movement at all on meter. Is meter or rig
broken? Dunno.

Take it over to the computer, plug up the Probe Scope. Read
instructions from three different sources -- no keying waveform. No
voltage on output. Nice sidetone, though. Break out the DX-440.

Signal is OK -- still not showing any power on the wattmeter, but I'm hearing it in the DX-440, from 10.103 to 10.126 or so. Not bad.

Time to check voltages. Where was that paper? Oh yes, here it is. Thorough job by Paul to check all this. U1 looks fine. U2 -- pin 11 keeps dropping on transmit, slowly. Starts at 6.6, drops to 3V or so over about a four second transmit period. Pin 12 and 13 show 7.7 V rather than 5.6. Possible problem. Keep checking voltages. Hmmmm. What about the transistor? Emitter looks good -- right on target. Collector looks good also on receive and Base is fine. What about transmit? Emitter ok. What about base? Boy this probe tip sure is sharp. Hit the right spot, Marty. Hit the ...

KKAAA--ZZZZZAAAAAAPP PPP! PoP! Crackle!

Houston, we have a problem.

Marty immediately drops *EVERYTHING*, and possibly has a myocardial infarction ... That wasn't fun at all. No damage. Just scared the crap out of me, thankfully not literally.

No smoke. No "zap" points on the board, no apparent damage to any components. Nice heat smell, though. What's that noise? Tone, weak and whiney, coming from my headphones now dangling off the table near the floor. Unplug power. Need to ... regroup ... think ... must ... work ... this ...

OK, have a smoke and relax. Maybe a whiskey. No, hands are trembling enough already.

Recheck voltages on U1. 10V on pin 4. Pins 1, 2, and 3 on U2 also have 10V. Diodes are showing 10V. Regulator shows 10V.

Checked the wattmeter -- it works. I didn't have RF out, or at least not enough RF to register.

Seems like we (I) have another debugging contest on our hands. I'm pretty sure I shorted the transistor out somewhere along the way. May have had more problems than that. Have I fried the transistor? Are the ICs now just so much raw material for the glass factory?

This is pretty frustrating, obviously. Any help would be appreciated. Seems prior to the zap, I had little if any receive, and (apparently) no RF but a nice sidetone. Can't give any o-scope information. I think I may have zapped the Probe Scope in the process. Don't know. Like the radio, I didn't know what it was supposed to act like normally, so I cannot tell if it's broken or not.

What can I do differently next time? (If there is indeed a next time -- not sure if kits are still out there, and even more not sure the wife will let me pop for another \$25 bucks for the kit until I get a job ...)

I do have a Radio Shack DSP I'll swap for a completed and tested 38S, with or without case. Prefer 5 watt mod only. Actually, I can handle mods -- it's starting with no basis of something working that throws me.

72 es 73 de=20
Marty, KM7W

Jackson, Tennessee e-mail: mdwatt@usit.net
http://www.public.usit.net/mdwatt
"The Curmudgeon's Corner"
NorCal #???? - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq
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From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: George Gingell <k3tks@u1.abs.net>  
Subject: [13936] ARRL 12 VDC Standard Connectors  
Message-ID: <Pine.BSI.3.93.970306230920.25304B-100000@u1.abs.net>

I knew It was in the Handbook somewhere. I finally found it on page 22.6 of the 1996 Handbook. I can't seem to find my books between 1988 and 1996, so I can't tell when that became the "Standard".

I personally have been using the Automotive Polarized type of connectors for years on all of my QRP stuff with good success. I have made all sorts of adapters and arrangements too interface with other connector plans as well. I use the model 270-026 2 conductor accessory cable 12" long (\$1.19) and the 270-025 4 ft DC fuse Cable. (\$2.19) There is also a model 270-027 four conductor accessory cable 12" long that is useful as well. I much prefer these Rubberized end connectors over the ARRL Standard part 274-222.

The Connector cables come with one male end and one female end. I use the end which has the Red Wire and Female Connector on the Power source and the end which has the Red Male connector as the Load. Mainly because this prevents the + Power source from accidentally grounding out to a rig chassis, etc.

I generally use the Inline Fuse Cable on battery packs. I can't seem to find the part number right now, but Radio Shack also has

an Inline fuse connector which is HIGHLY Recommended for all battery packs. If you use a GATES or similar High Capacity Battery Pack, A FUSE is Manditory!! It is best placed right at the battery pack. You do not want to know what happens when a High Capacity Battery gets shorted at the terminal end.

I have also made Polarity Reversing cables and Battery Charging cables and adapters using combinations of these connectors and Insulated Gator Clips. You can even make adapors to connect my standards with the ARRL Standards.

I love this list, It has forced me to dig thru the books several times this week just to see if I could find the requested information. since I get the Digest, I expect that the Questions have been thoroughly answered by this time. I hope my few additions help some others.

Mike, When did the connectors become the ARRL STD? Just curious, since I can't seem to locate my 90's Handbooks? I am not sure how many I have, I am reasonably sure that I have most from the 50's to present. plus 1943 & 1947. Guess I will have to start looking for the others. :-)  
One can never have enuff books. :-) I have been trying to learn this stuff by Osmosis for about 35 years now. :-)

QRP DX TU (C) 1986 G.Danny Gingell, K3TKS@.abs.net  
Maryland Milliwatt QRP Reference Library, (301)572-6789

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: v31ry@ix.netcom.com  
Subject: [13924] ARRL/ARES 12v standard.  
Message-ID: <199736191324519169@ix.netcom.com>

Here it is, Ed..

Molex .093" pin diameter, 2-pin Power Connector (Radio Shack #274-222).

The FEMALE plastic connector body goes to the equipment, with two MALE pins in it. The power source gets the MALE plastic part, with two FEMALE pins (the hollow ones). That way nothing can brush against the hot power-source pins, as the female pins are slightly recessed in the mostly-solid connector body of the male plastic part.

The plastic connector bodys have a pointed side and a flat side so that they are keyed, and the PLUS voltage goes to the pin nearest the pointed part of the connector body. It's easy to remember since the 'arrow' of the connector shape points to the 'hot' pin.



Ed, if you can plug that Molex in backwards (pointy end to flat side) without a hammer, I'll swallow it! I and friends here in Denver area have been using those as a standard for over 15 years now, and I've YET to hear of any mishaps with them. We even used them on equipment when I worked in the REA power industry!

Plus they are available at every Radio Shack in the U.S., and are cheap. Argue if you want, but it's a standard that's already been in effect for years!

73 -- Glenn

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Duct Tape is like the Force: It has a light side, and a dark side,  
and it holds the Universe together.

AE0Q / V31RY                      ex: GM5BKC, ZB2WZ, SV0WY, WA0VPK  
v31ry@ix.netcom.com              -- ARRL LM, QCWA LM, NCVA --

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: Bill Jones <kd7s@psnw.com>  
Subject: [14013] Attention all 38 Special builders  
Message-ID: <332057D8.1DA5@psnw.com>

Friends,

For those of you who have not built your NorCal 38 Special (or any other kit, for that matter) please pay very close attention to the placement and orientation of the following components. Most parts are can be oriented either way except those listed below. I'd hazard to say that at least 50% of the problems with mal-functioning kits result from one or more components being installed "backwards" or in the wrong spot. If you're not sure which end is which, ask first, solder second.

Polarized Capacitors  
C40            220 uFd electrolytic  
C15,37,38 22 uFd electrolytic

Diodes  
D1,2          1N4007  
D3            1N4004  
D4,5,6,7,8    1N914

Potentiometers  
P1            r.f. gain control

P2            main tuning control

Transformers

T1

Transistors and ICs

TR1           2N3904  
U1,3          NE602AN  
U2            CD4066BE  
U4            74HC240  
U5            NE5532  
VR1           7808M

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: Charles Cashion <ccashion@spdmail.spd.dsccc.com>  
Subject: [14018] Communication Quarterly  
Message-ID: <199703071834.MAA20503@vob005.spd.dsccc.com>

Forgive the bandwidth guys, but has anybody received the Winter 1997 issue of the Communication Quarterly??? It has been on the bookstore shelves for almost two weeks, and I have not received my copy.

ObQRP: I listened for the fox (N9DD) last night.  
I never heard him. K5JHP lives near me and he heard KU7Y work the fox, but did not hear the fox. I guess we have a few more opportunities.

72s,

Charles Cashion, w5isiz, qrp-1#76, ccashion@spd.dsccc.com

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From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: aa7uf@juno.com (Gerald L Marsh)  
Subject: [13937] CW testing and other topics  
Message-ID: <19970306.201706.13806.0.AA7UF@juno.com>

Except for the entry level CW testing @ 5WPM, why don't we do away with CW testing altogether . . . . .

and replace it with another kind of testing?

Instead of 13 and 20 WPM testing, why not substitute actual CW use on the air?

Require x confirmed CW contacts instead of 13 WPM, and y confirmed contacts instead of instead of 20 WPM.

Aren't we supposed to be fostering real radio operating skill (read the intro to Part 97) as a part of our "incentive" licensing?

I'd have to admit I passed my tests by drilling, drilling, drilling on a computer. Does that make me a competent CW operator? (You guess)

Room for fraud, you say?

Which is harder - to fake one exam with three VE's, or to fake 20 or 30 CW contacts with different operators (which by the way you could confirm or deny after the fact in their logs)?

Who knows, some might find out they actually like CW when they use it on the air. And there would not be intense pressure for ONE exam.

Actually, we could consider the same for the initial 5 WPM. We don't expect a new driver to prove they can drive a car before they drive a car. A "learners permit" CW operator would be foolish to get on the air to "pass" their initial (5 WPM equivalent) CW "test" if they did not believe they had practiced enough off the air to communicate.

Hmmmm.

AA7UF  
Jerry Marsh

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: Floyd Smithberg <floydndq7x@worldnet.att.net>

Subject: [13977] Dandy Handy Ref Book  
Message-ID: <19970306181042.AAA8436@LOCALNAME>

I've had a number of requests for the exact name of the book...here 'tis.  
Sells for ~\$10...

The name of the book is: "POCKET REF" by Thomas Glover  
published by: Sequoia Publishing, Inc.  
Dept.101  
P.O.Box 620820  
Littleton, CO 80162-0820  
(303)972-4167

Floyd NQ7X Phoenix ScQRPion dm33uq  
ARCI G-QRP NORCAL ARRL AMSAT WVARC  
WAS WAZ WAC DXCC(325hf,102sat,96qrp)

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: Arjen Raateland <Arjen.Raateland@vyh.fi>  
Subject: [14020] Digital LED clock?  
Message-ID: <33206520.EA1@vyh.fi>

Gang,

I'm looking for a digital LED clock for my shack. The Whiterook CK-1 model (kit) looks just right, albeit that it needs to be adapted for 50 Hz and 230 V use (jumper, change of transformer and backup Xtal as far as I know). The problem is that Whiterook doesn't like to sell their clocks to DX destinations.

So if you know of a comparable clock for the shack, preferably in kit form, I'd be grateful to hear about it. The WWW has myriads of Java digital clock applets, but very little honest electronics with all those colourful components we love to sort and to solder, hi.

Other suggestions on the subject of time indication in the shack are also welcome.

73, OH2ZAZ

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Arjen Raateland  
Finnish Environment Institute  
SAS Support  
phone +358 9 4030 0457

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: QLF%[mimi@magic.itg.ti.com](mailto:mimi@magic.itg.ti.com)  
Subject: [13962] FCC CW SENDING TESTS  
Message-ID: <9703071355.AA21893@itg.ti.com>

From: Brad Bradfield QLF

Subj: FCC CW SENDING TESTS

> The examiner wasn't impressed and sneaked up behind me during the  
> sending test and removed the power plug from the outlet.

> Vic K2VCO

I took my General and Advanced on the same day at the FCC office in downtown LA in January 1971. I took my own keyer (Digi-key; three RTL ICs, anyone remember that one?) with built in homebrewed paddles. Sent for about 15 or 20 seconds tops from his list and he said that was plenty, and I'd passed. The straight key that they had screwed to the table top was a run of the mill straight key, probably an E.F. Johnson or Bunnell. Everything I always heard and read at the time said not to start the sending test till you had the key (if you used their key) adjusted just the way you wanted it.

As a sidelite to the day I took these tests, the General test had a schematic of a typical tube type oscillator/buffer/PA CW transmitter with half a dozen questions relating to the circuit. When I took the Advanced test 20 minutes later, lo and behold, the test had *\*exactly\** the same oscillator/buffer/PA transmitter with *\*exactly\** the same questions, but this time the schematic had transistors instead of tubes. I immediately started chuckling to which everyone else in the room probably wondered what was so funny about an FCC exam.

Oh, well.

72's es 73's,

Brad, WB0CGH

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: Steve/NOTU <[NOTU@webaccess.net](mailto:NOTU@webaccess.net)>  
Subject: [14027] For Sale OHR Explorer II 40m 3w  
Message-ID: <332074C8.5A15@webaccess.net>

For Sale: 40 meter Explorer II from Oak Hills Research - \$85

-40 meters (70 KHz adjustable)  
-3 watts out  
-1500-300 Hz Variable bandwidth crystal filter  
Great little QRP rig! Carefully built and checked out!

Selling because I want to try out some of the other little QRP rigs  
on the market...variety is the spice of life...etc..

Photos of the unit on my webpage (below)

First E-mail snags it!

Best Regards Steve

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"Just doing it" - Haven't a blast building & using QRP gear that is...  
N0TU/hw8/49er/NE4040/38s/solar/backpack-mobile... QRP-L # 911  
My homepage - <http://www.webaccess.net/~S&P> ARS# 206 CQC# 394

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: Allen Jones <ajones@adsnet.com>  
Subject: [13976] For Sale SW-40  
Message-ID: <1.5.4.32.19970307155143.006a2d2c@adsnet.com>

Want to build something new so here goes:

Small Wonder Labs SW-40, 1.5W out in Ten Tec enclosure with 10-turn tuning  
pot and turn counting dial. Includes internal TiCK keyer and power cord.  
Also have Dave's RIT kit which was never installed. Will ship with all docs  
PPD CONUS for \$83.

72/3 Allen Jones, W9DZ  
Michigan City, IN  
ajones@adsnet.com

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: Mike Duke <gmduke@oscar.teclink.net>  
Subject: [13919] FOR SALE! Modified HW8  
Message-ID: <Pine.GS0.3.95.970306193945.5859F-1000000@oscar.teclink.net>

I have recently acquired some new toys, and want to pass along an old  
reliable one.

This HW8 has the following modifications:

phono jack antenna connector replaced with so239,

1/8 stereo jack added for 8 ohm stereo headphones, (will also drive un-powered WalkMan type speaker)

30 meter conversion from HW8 Handbook which removed 80 meters.

I am unaware of any other alterations to the original circuits.

It includes copies of the manual and HW8 Handbook. I never had the originals.

I purchased the rig from its original owner three years ago, and have used it extensively from my apartment, mostly on 30 and 40 meters. If you worked me on 40 during FSFD, you heard it.

\$100.00 shipped, obo and you ship.

I'd rather sell, but I'll consider a trade involving qrp gear for 17, 12, 10, or 6 meters, or a dsp audio filter (excluding the dsp40).

72/73, K5XU

Mike Duke,  
Jackson, MS

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: kb0rol@juno.com (Bradley L Mugleston)  
Subject: [13920] FOX Alert - Novice/Tech+  
Message-ID: <19970306.190109.7167.1.kb0rol@juno.com>

I will be the N/T+ FOX Monday night the 10th (Local) at 0200 to 0400Z

I will camp around 7.112

I need the following states to get WAS so PLEASE help.

Remember I will only be the FOX one more time after Monday - that will be Monday the 17th So if you don't have your fox points yet OR you don't have me then lets get on the air.

I need AK, DE, HI, IN, KS, KY, LA, ME, MD, MS, NH, NJ, NY, NC, PA, RI, SC, SD, TN, VT, VA, WV and WI. I know it looks like a lot but we can do it.

Thanks

Brad Mugleston - KBØROL  
Colorado QRP Club # 170, QRP-L #316, ARRL  
QTH - Aurora, CO - DM79oq  
KBØROL@JUNO.COM  
BMUG@GWL.COM

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: Monte Stark <ku7y@sage.dri.edu>  
Subject: [14021] Fox Notice....  
Message-ID: <Pine.SUN.3.90.970307105129.8168C-1000000@vortex.sage.dri.edu>

On Fri, 7 Mar 1997, Charles Cashion wrote:

> ..... K5JHP lives near me and he heard KU7Y  
> work the fox, but did not hear

Ahhhhhhh, good. Condx have been good to TX, bad to CA! And GREAT to AZ.....

I heard a 1w report from CT last night.

I will be around 7043 on 11 March, local date.

Time will be 0200z to 0400z, (that's the 12th in GMT).

I will be switching over to the inverted vee now and then to try and get the closer in stations. Hey Calif, did you hear that?? I'll really give you a chance!

On the other hand, TX has sure been blasting in the last few fox hunts.....

Geeee, I wonder which state can make over 15 QSOs this time?

(Hey Chuck, can I try bribery???)

For any state that makes 15 or more QSOs with me on fox night, I'll buy each successful operator from that state a hamburger from Windy's in Carson City, NV!!!



Remember, that's 7043 plus or minus the qrm. (Will go to 7037 only if the QRM is wall to wall!)

CU All, Tuesday night.....

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: adams@chuck.dallas.sgi.com (Chuck Adams)  
Subject: [13969] FOX standings  
Message-ID: <199703071449.0AA22439@chuck.dallas.sgi.com>

Hang on gang. I'll repost. The line hit that I took happened at just the wrong/right time. The leaders are off by ten. Correction later today. It was bound to happen after three years of typing from a modem line. :-)

Sorry. I'll make it right gang.

dit dit  
Chuck Adams K5FO adams@sgi.com DXCC=11  
[http://reality.sgi.com/employees/adams\\_dallas/](http://reality.sgi.com/employees/adams_dallas/)

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: WA8GHZ /5 Jack Dougherty <jdougher@wt.net>  
Subject: [13926] FOX: N9DD/1-2-3 Bang ...from Texas  
Message-ID: <331FDAA1.3CCB@wt.net>

Close to a sweep in Texas, Tom/N9DD; your sig was a big'un for 3 'Texas Yahoos', K5ZTY/K10J/WA8GHZ, whom you worked in a row as a "straight".....

--

WA8GHZ /5 / "Frequently found QRP Mobile in my 5,000 pound  
Jack /Houston / counterpoise built in 1979 by The Cadillac  
Motor

Company....."

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: Peter\_Simpson@3mail.3com.com  
Subject: [13954] FOX: a week in the life of one New England fox hunter.  
Message-ID: <85256453.003FBA17.00@hqoutbound.ops.3com.com>

This has been quite a week for me. I started out on Monday, by ordering the wood to begin construction of the long awaited basement ham shack and sanity retreat.

Tuesday night, my daughter asked me if I would go down to her school and help build sets for her school play. "But...what about the fox?", I think. No, I didn't say anything. Bob and ol' Kenwood were due on the air at 9, I could put in two hours and come home with plenty of hunting time remaining. So, my 14 year old son (who's on the tech crew at the high school) and I loaded up our tools and went down to build. Got two "scenery wagons" designed and the bases built before I quit at 9:00. Came home, fired up the NC-40, tuned around for almost an hour, but just couldn't find hide nor hair of Bob, ol' Kenwood, or any of the hunters. Next day, I came to work, brought up KI7MN's foxhunt page, and noticed that Bob's hours were 0400-0600, not the usual 0200-0400. Oh, well...I've done \*that\* before.

Wednesday night, I went down to the local ham club and discussed what we were going to do about our repeater antenna, which has developed an expensive-sounding set of "crunchies". It turns out that the antenna is repairable, so I ran off to the library to run off a copy of an article from an old issue of QST, for a guy on the HAM-HOMEBREW mailing list. We have a complete set of QST going back to 1940 at the club shack. Very useful.

Last night, it all got really interesting. Back to the school for another session of set-building, but this time, I got smart and pre-cut some of the wood on my table saw. Got home in plenty of time to hunt. "Oh...the party", I remembered there was supposed to be a fox graduation party on 7122 or 7112 or something. Gosh, and it's already 8:30...I bet all the chips and dip are gone. Run downstairs to hook up the rig and see if the party's still going on. Nope...just a couple of guys on 7108 ragchewing. Good fists, though, and QRPers by the sound of it. Well, let's find a spot to tune up, I think. Plenty of forward power...and just the same amount of reverse power?!?!

So, I check the tuner, antenna cable, and try to tune out the mismatch. No go. Maybe the antenna came down in the wind? Good thing I had the builder put in the floodlights, huh? Run outside (past the wife, who's looking under the doormat for a note from a neighbor) and notice that, oh-oh, half of the inverted-vee seems to be missing. Lower the rest of it, find the missing leg under a bunch of branches, and untangle everything. Hey, it's pre-stripped! Maybe I shouldn't have soldered the wire into a loop at the center. OK, just for tonight, I suppose I can just twist it together. Haul everything back up into the tree and run down into the basement. Check SWR. Hey, that's better!

Since I'm planning on loaning out my NC-40, maybe this would be a good time to try to get a fox with the QRP+. It seems like cheating a bit, but since I'm planning on using the QRP+ for QRPTTF, I may as well get some practice. Tune around 7037...there he is! We swapped 559s...Tom was going a mile a minute, nice of him to slow down and answer me on my first try! Kinda makes up for missing Bob, but his stories are so much fun to read, I do wish I had been able to meet ol' Kenwood.

Only four more foxes to go, and I have yet to get two in one week. I've done better this year than I thought I would. Fox hunting is fun, and well worth the effort in getting the rig set up. It's going to be a lot more fun next winter, when I have a ham shack with carpet and painted walls and lights and all that cushy stuff. The whole family seems to enjoy it, too. Must be the thrill of the chase! I smile every time I look at Bob's (AE4IC) "fox QSL" on my wall here at work. Gotta come up with one for our Spring QRPTTF expedition.

So thanks, foxes \*and\* hunters, and QRP-Lers, for making a cold New England winter a lot warmer and a lot more fun!

72

Peter, KA1AXY

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: Zack Lau <zlau@arrl.org>  
Subject: [13951] Gluing connectors together?  
Message-ID: <332002AB.43E8@arrl.org>

Is there a "safe" glue to use with connectors? I considered gluing the powerpole connectors together but I have some concern about coating the pins, affecting electrical performance.

Of course, the stuff has to work from at least 0 to 100 degrees F.

Zack W1VT   zlau@arrl.org

From owner-qrp-1@Lehigh.EDU   Fri Mar  7 18:04:38 1997  
From: ldeering@idt.net (Larry Deering)  
Subject: [13993] gym't tests...  
Message-ID: <199703071649.LAA24899@u1.farm.idt.net>

One test I took was the preinduction draft physical (in 1966). The tester barked "LOOK INTO THE EYE TEST MACHINE!!!" The instant you looked, you passed the hearing test!

vy 73,  
Larry, w2gl

=====  
Tom N9DD wrote about cw testing:

I gave well over a hundred novice cw tests in the pre-VEC days. A trick I pulled regularly was to tell the testee "Before we start the test, I'll send you a little bit to get you warmed up." I usually sent about 30 characters or so at 5 wpm. Most of the time, the testee had everything copied perfectly. They sure were surprised when I'd say "Congratulations, you passed!". The usual reply was "What about the test?" and of course the answer to that was that they had just taken it.

From owner-qrp-1@Lehigh.EDU   Fri Mar  7 18:04:38 1997  
From: ericvia@why.net (Eric Via)  
Subject: [13943] Ham radio & Slang...  
Message-ID: <v01520d02ad6219a2e34c@[207.211.121.93]>

Folks,

This afternoon, in a fine mood, I sent out a message to this list, and the introduction went something like this:

"Dear QRP-Heads"

I recieved an email from another list member informing me that he'd been a QRP op for many many years, and that he was NOT a "QRP-head, a Hammy, or any other of the new slang words going around"

He told me he was a "Ham Radio Operator, OR a QRP'er, OR an Amatuer Radio Operator"

Jeez Louise! Some people are NO fun!!

So in the future, if I call the collective list:

"Dear QRP-Heads,"

PLEASE - it's OKAY -it's NOT a slam, it's not an insult, it's just my style - having a little fun....and if you ARE offended by it - don't waste your time and mine by emailing me and telling me okay??

And...while you're at it .. you can LIGHTEN UP!!

There, I feel better - and I am proud to say that other than this little bit of trivial sillines I've found this list to be SUPER GREAT!! Keep up the good work - I'm learning a LOT from you folks!!

72 Eric "QRP Amateur Radio Operator" Via :- ) AD4SS

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: QRPDave@aol.com  
Subject: [13947] Hams and Kits  
Message-ID: <970307031428\_447199318@emout06.mail.aol.com>

Dear friends;

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: QRPDave@aol.com  
Subject: [13948] Hams and Kits  
Message-ID: <970307031955\_-836484649@emout01.mail.aol.com>

Dear friends-

I have accumulated a list of fine hams who are willing to assemble kits for blind or otherwise handicapped hams who for one reason or another cannot assemble kits. The disabled or handicapped ham buys the kit and I furnish the names and addresses of two or three hams who have volunteered to build for these folks. Of course, there are no guarantees, and the owner of the kit is responsible for postage both ways and a small fee, if that is agreed upon with the potential builder.

I have done a couple of these "marriages," and so far things seem to be going along nicely. If you are one of these folks who need someone to build their rig, contact me at QRPDave@aol.com or QRPDave@ocsnet.net. I'll be glad to help if I can. Till then, happy QRP'ing! ; >)-----|-----<

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: Byron8LCZ@aol.com  
Subject: [13911] HB rigs overrunning 30 meters, film at 11  
Message-ID: <970306190311\_1017955262@emout18.mail.aol.com>

Hi Gang,

The 38 Special guys are FINALLY hitting 30m seriously. have worked 4 of them in 3 days:

KR5L OK

NR5A SD

K5ID AR

KJ5TF AR

plus a NW8030 guy WA5FYF OK

and over the last two years, some SIERRA users:

N6KR CA

VE6GK ALB

WA4KAC MD

N0EKU CO

KD0FX WA

WA6TLA CA

K8CV MI

KG2H NY

Cant wait to work more of them.

72, Byron WA8LCZ Detroit

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: mdwatt@usit.net (Marty Watt)  
Subject: [13979] Heatsinking  
Message-ID: <33223abc.26998363@smtp.usit.net>

The 38 Special manual tells us to use heatsinking compound on the back of the IRF510 (5 watt mod), and nylon screws/nuts for mounting to the case of the rig -- but do not ground the case!

The heatsink compound at RS says that it is highly conductive -- not sure if they are speaking of electrical or heat only. It is a silicon based product. Is this stuff ok?

(I'm some weeks away from case-mounting, since I fried the first kit. I'm not giving up -- ordered another one today -- but my offer to swap a new-in-the-box RS DSP for a completed and tested kit, with or without case, stands.)

72 es 73 de=20  
Marty, KM7W

-----  
Jackson, Tennessee e-mail: mdwatt@usit.net  
http://www.public.usit.net/mdwatt  
"The Curmudgeon's Corner"  
NorCal #???? - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq  
-----

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: macdondd@cadvision.com (Duncan David Mac Donald)  
Subject: [14005] HEILP RE AN OLD CALL SIGN.  
Message-ID: <199703071735.KAA107810@huey.cadvision.com>

Good Day to one and all.

There is a fellow here in Calgary who had the call sign VE6QF back in the late forties and early fifties. Unfortunately he let it slip and it has been reassigned to someone else. He wishes to become a Ham again and the powers that be have told him if he can prove thathe once was VE6QF back then they will reinstate him with another call sign without having to go through all the tests again. He needs proof on this, Can anybody help him??  
Thanks de Duncan.  
QRP is getting the Most from the Least ... 72/73 DE DUNCAN

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: Monte Stark <ku7y@sage.dri.edu>  
Subject: [13989] HELP  
Message-ID: <Pine.SUN.3.90.970307083707.7621I-1000000@vortex.sage.dri.edu>

Hi All,

Does anyone have the phone number/e-mail/WEB url for  
Mosley? (That's the antenna company.....not sure if it's  
spelled right!)

Thanks,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: Kevin Anderson <anderson@ncrsun1.ncr.usace.army.mil>  
Subject: [13959] How did we manage .... ?  
Message-ID: <Pine.SUN.3.91.970307072813.2318A-1000000@ncrsun1>

I walk to and from work, so get plenty of time (40 min. each way)  
to think. The thought on my mind this Friday morning was just  
this: how did we (I) manage before e-mail, particularly with  
respect to radio, our interest and hobby ?

- Articles were obviously written in magazines (QST, CQ, etc.).
- People must of had more in-depth technical discussions on the air.
- And there sure must have been more local knowledge.

That is all I can think of.

OR was there not much really known or shared then as now?

Pondering....help me out OTs.

And disappointed - I was too close to hear either of the  
Thursday foxes -- sorry guys.

Cheers/72. Kevin, KB9IUA, Rock Island IL  
home: kb9iua@juno.com



\* \* \* \* \*  
Opinions expressed here are my own and do not represent the  
U.S. Army Corps of Engineers or the Federal Government.

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: adams@chuck.dallas.sgi.com (Chuck Adams)  
Subject: [13958] HW-16 Mods  
Message-ID: <199703071337.NAA22274@chuck.dallas.sgi.com>

Gang,

Since I got so many questions on this one here it is  
again.

For the HW-16 receiver mods to increase the sensitivity, get  
out the schematic and look for R21 and R42.

R21 was 22K. Change it to 10K. (I think 1W R is needed here)

R42 was 5.6K. Change it to 51K. (Probably 1/2W will do here).

How many of us still have the larger resistor wattage values  
in our junk box? I'll bet not many.

It would be interesting for someone to take a tube receiver  
(I don't care which one, say a Heath, a Collins, and/or a Drake)  
and compare them to todays receivers in QRP rigs, like the OHR  
series, Wilderness, NN1G, etc. It would make interesting  
reading material. Lab quality review would be awesome.  
Of course, new tubes if possible in the old receiver or at least  
checked to specs.

FYI

Chuck Adams K5FO adams@sgi.com DXCC=11  
[http://reality.sgi.com/employees/adams\\_dallas/](http://reality.sgi.com/employees/adams_dallas/)

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: Bob Tellefsen-CNSE97 <Bob\_Tellefsen-CNSE97@email.mot.com>  
Subject: [13939] HW-8  
Message-ID: <M1324025.005.nt154.1.970307060756Z.CC-MAIL\*/OU=LMPCC10/OU=ILBE/  
PRMD=MOT/ADMD=MOT/C=US/@MHS>

Eric:

The antenna connector supplied by Heath was a chassis-mounted phono connector. Many of us replaced them with either BNC or UHF connectors.

The key jack wants to see a standard 1/4 inch headphone type plug, mono, not stereo.

The rig by itself is very light, about equal to a book, I would say.

I don't have mine close to me right now, but size is about equal to two cigar boxes stacked.

If you feel like digging into the qrp-l archives, there are some articles on mods for the HW-8.

Also, I remember someone, I think Larry W1HUE/7, collects and forwards HW-8 modification info to those who are interested.

Hope this helps.

72, Bob N6WG

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997

From: Raventhorne <jelder@ix.netcom.com>

Subject: [13934] I got a nickel, can I buy a clue?

Message-ID: <2.2.16.19970306201647.315f8922@popd.ix.netcom.com>

What are (and where can I learn more about):

Foxes/Fox hunting  
St. Louis Vertical  
St. Louis Tuner

73,

John  
K06TS

@~~~

@ John Elder, Wide Sky Men's Council

@ (310) 416-9901 Box 232, El Segundo, CA 90245

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997

From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>  
Subject: [13957] Key Survey  
Message-ID: <199703071300.IAA10394@aus-c.mp.campus.mci.net>

When I bought my Ham-Key paddle/straight key combo at a hamfest a few years back, I received passing remarks like "Oh that's the knock-off of the Brown Bros. key. You won't like it", but I always enjoyed the straight key... it has a nice feel. True, it's not a Brown Bros., but it was within my budget.

Of course after those guys made their remarks, they offered to buy it from me...

my 2c... rich

-----  
Rich Dailey - KA8OKH <ka8okh@som-uky.campus.mci.net>  
[www.qsl.net/ka8okh](http://www.qsl.net/ka8okh)  
qrp-1 #933 ars #223  
-----

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: "Jeff M. Gold" <JMG@tntech.edu>  
Subject: [14033] LDG-live field test  
Message-ID: <01IG87CL6PN68WYPJN@tntech.edu>

Well took today off as annual leave. Went to a little park between some nice hills by a river. I have operated here in past QRP/p with good success.

I put my 20 meter dipole up between 2 trees just about 30 feet high. The swr without tuner was about 1:1 in the middle of the band.

I hooked up the LDG QRP autotuner. I worked some stations on 20 (band was horrible, even from home with my quad), I switched over to 30 meters, the tuner tuned it in less than 1 second. I worked a couple of stations, had some chats (not just changing signal reports). I next worked 40, also with the same results.

I checked, couldn't get it to tune 80, but that didn't surprise me. The tuner had no problem tuning my small dipole with RG178 coax on 10, 15, 30, 40 (I had my argosy so couldn't try 17 or 12).

Good field trip. found I needed to redo the end of the cox, so now home and I am ready for a bigger test in the Smokys.. just have to get there :-)

72

Jeff

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: n4js@amsat.org  
Subject: [13925] Limited out on Foxes!  
Message-ID: <XFMail.970306212655.n4js@amsat.org>

Well, finally helped make up for those fox nights I had to work, with a double.  
Worked the N/T Fox at 0010, and the "regular" Fox at 0210. A matched pair!.  
Also the first N/T fox of the season. (Actually, the first one I tried).

Gonna hate to see the fox season close.

Say, what about foxes on the WARC bands? (Oops, duck!!!)

(only kidding)

Sent at 21:26:55 on 06-Mar-97

|                                 |                                                                     |                |                  |
|---------------------------------|---------------------------------------------------------------------|----------------|------------------|
| - - - - -                       | John L. Sielke                                                      | n4js@amsat.org | n4js@pobox.com   |
| \         _     / _ _           | n4js@n4js.ampr.org                                                  | NJ Grid:FM29LN |                  |
| . '     _ _         \ _ _ \     | <a href="http://www.pobox.com/~n4js">http://www.pobox.com/~n4js</a> |                |                  |
| _   \ _     _   \ _ _ /   _ _ / | NJ-QRP #57                                                          | QRP-L #884     | QRP-ARCI #9328   |
| NE-QRP #507                     | G-QRP #9544                                                         | Norcal #????   | QCWA Life Member |

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: WNZG87F@prodigy.com (MR SAM F BILLINGSLEY)  
Subject: [14002] Looking For HW-8 Equipment  
Message-ID: <199703071634.LAA73212@mime3.prodigy.com>

Looking for HW-8 equipment, power supply, accessories and manual(s).  
Would like to pay for shipping UPS.

Can you send email directly to me stating:

- 1) Components available with operating/looks condition.
- 2) If any modifications, please state.
- 3) Component cost with shipping included.

Sam Billingsley AE4GX QRP-L #1033

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: Mike Duke <gmduke@oscar.teclink.net>  
Subject: [13955] MODIFIED HW8 CLAIMED  
Message-ID: <Pine.GS0.3.95.970307063902.24939B-1000000@oscar.teclink.net>

The HW8 is sold, and three other folks are waiting for one.

Thank you.

73, de K5XU

Mike Duke,  
Jackson, MS

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: adams@chuck.dallas.sgi.com (Chuck Adams)  
Subject: [13961] Motorola RF Web Site  
Message-ID: <199703071351.NAA22308@chuck.dallas.sgi.com>

Mr Zack Lau, W1VT, sent me email the other  
day pointing to

<http://motserv.indirect.com/rf/rfhome.html>

A nice place to start and see what Motorola  
has that is new.

One of the submenus has a SPICE collection of  
models for some RF parts. This is timely.

I have a SPICE book (one of all that are in  
print at the present time) and since I don't  
have it on my desk and I'm in the office early  
I don't know which one, but I'll look again  
while I'm listening to HAARP tonight.

This book has the 2N2222, 2N3904, 2N3906, etc.

SPICE models printed from the TI library. I went to the TI web page but could not find a SPICE library available from them.

Does anyone already have these SPICE models that they can email to me? Otherwise I have to sit down on the plane tomorrow and type them in at 41K feet. :-) I don't need the typing practice I assure you. Or a web site (geez, we've gotten addicted to that now for info) that may just have every SPICE model in the world on it.

TI has released the models for public distribution so there is not a copyright issue at stake here.

dit dit es tnx

Work in progress here for these models.  
Chuck Adams K5FO          adams@sgi.com DXCC=11  
[http://reality.sgi.com/employees/adams\\_dallas/](http://reality.sgi.com/employees/adams_dallas/)

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: adams@chuck.dallas.sgi.com (Chuck Adams)  
Subject: [14007] Mt View Tuesday Night K5FO/6  
Message-ID: <199703071739.RAA22893@chuck.dallas.sgi.com>

Gang,

Doug Hendricks, KI6DS, can drive over/up/to Mt View CA Tuesday night for pizza, my treat.

So, how about 6:30 or 7:00 'ish at the pizza place next to Two Guys from Italy on El Camino Real in Mt View? No need to post, just let me know.

Don't know if I'll be bringing something for show and tell yet. Depends upon how full the bags are. :-) Gotta leave room for bringing stuff back.

I promise not to spy on the foxhunters in CA this trip. Didn't work before and I don't expect it to work then. Probably another ploy on their part to decrease the TX by one while

I'm out there. HEY!! Now I know why my antenna doesn't work. Badgers, squirrels, and K6's and not necessarily in that order. :-)

I have a budget limit of \$50 for the pizza, so after that it's every man, woman and child for themselves. Contributions accepted at the door. :-)

dit dit es cu there

K5F0/5/7/6/AM (aero-mobile) :-)

Chuck Adams K5F0 adams@sgi.com DXCC=11  
[http://reality.sgi.com/employees/adams\\_dallas/](http://reality.sgi.com/employees/adams_dallas/)

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: rbstalker@CCGATE.HAC.COM  
Subject: [13975] n/t fox grad.  
Message-ID: <9702078577.AA857749652@CCGATE.HAC.COM>

Barry

Congrad's on your accomplishment. tried real hard to join in the party last night but no luck. heard couple people working you but never did hear your sig. Our thanks for your efforts, it's been a fun time.

72/73 W7GVN ROD TUCSON

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: Barry Keating <Barry.P.Keating.1@nd.edu>  
Subject: [13964] N/T FOX Report for Thursday  
Message-ID: <v03007806af45caeb7950@[129.74.87.62]>

\*\*\* N/T Fox Report for Thursday, March 6th \*\*\*

| TIME | STN | NAME | ST | RST | NR |  |  |  |
|------|-----|------|----|-----|----|--|--|--|
|------|-----|------|----|-----|----|--|--|--|

|      |        |      |     |     |     |    |     |     |
|------|--------|------|-----|-----|-----|----|-----|-----|
| 0002 | W5FN   | Tim  | TX  | 586 | 586 |    |     |     |
| 0008 | N4JS   | John | NJ  | 559 | 884 |    |     |     |
| 0019 | K4WZ   | Ron  | GA  | 589 | 5 W |    |     |     |
| 0026 | N2TNN  | Dean | NJ  | 559 | 560 |    |     |     |
| 0039 | WA1QVM | Joel |     |     |     | MA | 339 | 337 |
| 0103 | N9DD   |      | Tom |     |     | IN | 559 | 32  |

0128 VE5WS Earl SK 239 5 W  
0155 KD0SU Rick CO 229 539

Thank you all for the graduation party! I had a wonderful time being your N/T FOX this season. Thanks to Chuck for the opportunity and to the entire group for putting up with a relative newcomer.

I have learned quite a bit throughout the foxhunt by listening to other operators and emulating their technique. We have some real "professionals" in this group.

Barry Keating (N/T FOX no more)  
WD4MSM  
South Bend, Indiana (90 miles east of Chicago)  
QRP++ running 5 watts  
MFJ-971 antenna tuner  
G5RV antenna (half-size, 51') up 30 feet

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: Bill Todd <bill@techline.com>  
Subject: [13946] Old Navy Receivers  
Message-ID: <1.5.4.32.19970307080247.00688868@mail.techline.com>

Hello group(s)-

This is not QRP-related per se.....but does anyone on the NWQ or QRP list happen to know where there might be a web page specializing in surplus radio equipment?

All I seem to be able to find are web pages dealing with "commercial" antique radio gear.

Thanks - Bill-N7MFB

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: mvjf@mvubr.mv.lucent.com (James M Fitton +1 508 960 2577)



Subject: [13972] Patches

Message-ID: <199703071507.KAA14691@alig1.firewall.lucent.com>

QRP-NE Carpool to W1AW on Sunday, 3/9/97

Anyone travelling down Rt. 93 (NH to MA)

or

along Rt. 495 (Methuen to Worcester MA)

to Newington CT,

and wants to meet along the way

let me know.

Bill, AE1D

I have 50 QRP-NE patches to give to Ernie AA1I  
at Newington. Thanks for reminding me.

Jim Fitton W1FMR        603 898 6188 Home  
                             508 960 2577 Work

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997

From: ka7you@juno.com

Subject: [13952] Poewr Pole group buy-Any Interest?

Message-ID: <19970307.041612.20399.3.KA7YOU@juno.com>

Ladies and Gentlemen of the List.

At the risk of possibly endangering my marriage, home and job -- Is there any significant interest in a group order for Anderson Power Pole connectors?

I will have copies of our unofficial standard configuration printed and available for an SASE.

The catalog price is currently \$0.40 cents each for one connector shell and contact (you need two to connect one wire) (four for a pair of wires). The price break at 1000 pieces should be attainable, which will put them at something under \$0.35 and I have a local distributor who may be able to do a HAM deal, and do even better. I buy the much larger

sized ones from him in quantities of 100. He has been very generous with the local amateur radio club.

I will inquire about what kind of a deal can be arranged in the mean time, and will check with the post office about sending out a sample. I'm not sure what the restrictions might be about a 'lump' in a regular envelope.

PLEASE, DO NOT SEND ANYTHING YET! except an e-mail response.

7 3,

Rod Johnson KA7YOU CN97AK near Issaquah, Wa. 160M thru 1296 MHz  
NWQRP#120 ARCI#7251  
QRP-L#844

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: "Jeff M. Gold" <JMG@tntech.edu>  
Subject: [13966] portable key/paddles  
Message-ID: <01IG7PU3T23Y8WYU24@tntech.edu>

Well,

took a vacation day today.. suppose to be warm and sunny here.  
Plan on taking my QRP+ and LDG autotuner on their first outing.  
:-)

while looking through my junk draw, I came across a 3 button mouse I had rigged up (someone a long time on this list came up with the idea.. or so I think). I have a stereo plug and mono coming out.

I hooked this up to my Norcal 40 this am. This is a very light, very rugged key/paddles combination. I found the key is easy to use, but still having trouble getting use to using the buttons for the paddle function.. but getting a lot better, should have it down by the time the sun warms us up. lot better than the little plastic Whitebrook paddles..they are real nice to use, but way too fragile for my use.

72

Jeff, AC4HF

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: ji3m@maxwell.com (James R. Duffey)  
Subject: [13973] Quads not Better than Yagis at Same Height  
Message-ID: <v02130500af45d9b675c4@[192.31.66.229]>

Kris - Quads are great antennas, but I have to disagree with you on a point

you made in your post of Mar 5;

"1) Quads have lower angles of radiation than do yagis at the same height."

This mystique of quads coming into their own and performing better than Yagis at low heights has been proven wrong by both measurement and modeling. The Quad is not discernably better or worse than the Yagi at the same height, low or high.

Wayne Overbeck, N6NB(?) did a nice piece on Quads versus Yagis for Ham Radio Magazine years ago, May 1979 ?, in which he made field strength measurements at varying angles of radiation of both a Quad and a Yagi at 6 M at varying heights. He did not measure any discernable difference in the angles of radiation. The tests were a very nice controlled scientific experiment. The article is recommended reading for anyone that can find it.

There is also modeling that confirms these measurements, the latest being in the ARRL Antenna Compendium Vol 4 or 5 I think. I don't have the reference here at hand. I would be surprised if L. B. has not looked into this. L. B. ?

This conclusion is not surprising. The angle of radiation of an antenna is determined by its radiation pattern in free space (absence of ground) and the reflection properties of the ground the antenna is installed over. The free space radiation pattern of the quad and Yagi both peak at the same vertical angle (0 degrees) and the ground is the same for both antennas (and hence the reflection properties) so the angle of radiation is essentially the same.

The good reputation of the performance of a quad over a yagi is testimony as to the difficulty of getting the extra 1 or 2 dB from a 3 element yagi over a two element beam. The lower radiation resistance of the 3 element beam at the higher gains translates into higher losses. In fact, in Overbeck's study the 3 element tribanders were not significantly better than the two element tribander he used as a reference.

Unfortunately Quads are difficult to keep up in most climates. For fixed beams they generally do not have this problem and are a good alternate to the Yagi.

Keep on posting. - Duffey KK6MC/5

James R Duffey KK6MC/5 DM65  
30 Casa Loma Road  
Cedar Crest, NM 87008

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: Cecil A Moore <Cecil\_A\_Moore@ccm.ch.intel.com>  
Subject: [14015] Quote from G5RV

Louis Varney, G5RV, Writing about the G5RV multiband antenna -  
"By far the most efficient feeder is the open wire type... If this  
form is employed, almost any length may be used from the center of  
the antenna to the matching network (balanced) output terminals...  
A convenient length of open-wire feeder is 84 ft.", "The G5RV  
Multiband Antenna... Up-to-Date", The ARRL Antenna Compendium,  
Volume 1.

73, Cecil, W6RCA, OOTC

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: "Heron, George" <G.Heron@dialogic.com>  
Subject: [14023] Rainbow Bridge/Tuner Errata Sheet  
Message-ID:  
<c=US%a=\_%p=Dialogic%1=EXCHANGE1NJ-970307192734Z-8447@exchange1nj.dialogic.com>

Hi all,

fyi ... corrections and recommendations concerning the construction and  
operation of the NJ-QRP Rainbow Bridge/Tuner are now up on the club  
website at: [www.njqrp.org](http://www.njqrp.org)

72/73,

--George N2APB  
[g.heron@dialogic.com](mailto:g.heron@dialogic.com)  
<http://www.njqrp.org> <-- Home of the NJ-QRP Club!

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: crott@juno.com  
Subject: [13945] Rainbow Tuner  
Message-ID: <19970306.020006.9326.0.crott@juno.com>

OK, I keep hearing all this great stuff about the Rainbow Tuner, but, so  
far, all the info I can get is about how to order the kit. Where can I

find a schematic? I at least need to "kick the tires" a bit before deciding whether or not to build or buy.

Charles R. (Randy) Ott  
Call: K5HJ  
Email: crott@juno.com or isc@fastlane.net  
QRP-L #1040

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: JEVERHART@cayman.vf.mmc.com  
Subject: [13968] Rainbow Tuner Oopses  
Message-ID: <970307094531.2062552f@cayman.vf.mmc.com>

Gang,

It had to come....

Now that the Rainbow is out in the hands of avid kit builders reports of errors and clarifications are coming in. My thanks to Bob - WB2DHK and Dave - W6EMT for reporting them. Guess I won't be able to claim personal perfection this year!

1. The printed circuit board holes for the 9 terminals for connecting off-board wires are under-sized. They are a No 56 hole and should be No. 57, a couple of mils larger. You can either try; to open them up a little to get the terminals to seat fully, or just press the terminals in as far as you can and be satisfied. They really don't have to have their shoulders flush with the board. They will be fine once soldered in place. The first 100 or so boards have the small holes. Later boards will have this corrected.
2. The holes for the toroid tap wires are a tight fit. While the holes could be enlarged, it is best to just make sure that the leads are twisted tightly and cleaned off when tinned so that they will fit into the existing holes.
3. In figure 7, the "L" networks are labelled backwards. The top one should say "Z BELOW 50 OHMS" bottom one should be labelled "Z ABOVE 50 OHMS."
4. In Figure 8 and on the printed circuit board, the terminals in the upper right hand corner of the board are labelled backwards. The top one should be labelled "GND" and the one right above the jumper block J1 should be labelled "50 OHMS." This error also appears on Figure 3, the EXTERNAL COMPONENT WIRING DIAGRAM. If you wire per the board markings, your coax center conductor and ground will be reversed, causing strange results! This error will be corrected after the first build of Rainbows (orders above # 300).

5. Disregard part numbers on the glass-bodied diodes. They were ordered as 1N34 and should operate as expected. Of course you \*do\* have to note that the end with the prominent band is the cathode.

6. The LEDs may be a loose fit in the Rainbow display SIP socket. If they are too loose, simply tin the LED leads a little with your soldering iron so that they are a little "thicker." Just don't heat them for more than a couple of seconds or the diodes may be damaged.

NJQRP will issue periodic clarifications and errata notices here on qrp-l and on the NJQRP web page accessible at

<http://www.njqrp.org>

Speaking for the NJQRP gang,

72/73,

Joe E., N2CX

BTW, if you have any questions or want to report problems with the Rainbow please contact me at

[n2cx@voicenet.com](mailto:n2cx@voicenet.com)

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: Bob Tellefsen-CNSE97 <Bob\_Tellefsen-CNSE97@email.mot.com>  
Subject: [13938] Remote ant tuner  
Message-ID: <M1324024.004.nt153.1.970307060755Z.CC-MAIL\*/OU=LMPCC10/OU=ILBE/PRMD=MOT/ADMD=MOT/C=US/@MHS>

Scotty:

One thing to consider is the antenna system itself. An automatic tuner is no panacea, if the antenna system is almost unmatchable.

I suggest you review your antenna system, and if necessary modify it so that the tuner doesn't have to go to heroic measures to match a strange piece of wet string.

This way you get faster and more reliable performance, both from the antenna system and the auto tuner.

All the auto tuners I have been exposed to are L networks, with the capacitors switched to either the output side of the series L for impedance step up, or to the input side for impedance step down.

Impedances up to a couple of hundred ohms are a piece of cake for the auto tuners. Likewise, maybe down to around 25 ohms or so. I would try to avoid extremes of impedance matching.

Good luck and 72,  
Bob N6WG

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: Larry East <w1hue@amsat.org>  
Subject: [13974] Snail Mail  
Message-ID: <2.2.16.19970307152418.3b274620@e1oi>

It appears that the QRPP and QRP Quarterly are not the only publications that gets lost in the cracks of the USPS -- I just received my March QST yesterday! Maybe there is a conspiracy within the USPS against amateur radio ... instigated, no doubt, by the "Little LEO" bunch.

(HA! I can just imagine the thread THIS will generate! Guess I'd better keep the list on postpone for another week or so... :-)

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: "Mark S. Adams" <msadams@acsu.buffalo.edu>  
Subject: [14028] Somerset HB Contest Announcement  
Message-ID: <199703072010.PAA29646@nss2.CC.Lehigh.EDU>

This is a multi-part message in MIME format.

-----=\_NextPart\_000\_01BC2B09.E98C0920  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Hi Gang,

While cruising the net I found a neat 4 hour QRP sprint contest. Details are as follows:

[If there is lots of interest maybe we QRP guys on the "left" side of the pond would want to select a different 4 hour period to operate, and maybe not.]

Somerset Homebrew Contest

-----

<http://home.sn.no/~janalme/rules/somerset.txt>

This contest is sponsored by Walford Electronics who have kindly donated two prizes. By entering the contest you are agreeing that copies of your entry can be supplied to Walford Electronics.

1. This contest is open to all single operator QRP stations using home made or kit equipment. Either or both the RX or TX must be homebrew or kit. It is not necessary for you to have built the equipment yourself. QRP is less than 5W CW output or 10W SSB pep.

2. Activity: Centered around the QRP frequencies in the 80m band only. Ant mode can be used and cross mode QSOs are permitted.

3. When: Any continuous four hour session on the third Saturday in March. It is suggested that European entrants operate 1900-2300z.

4. Call CQ HBC.

5. Exchange. RST, serial (starting at 001), Power, eg. 579 047 5W.

6. Scoring.

| Points                | QRP/QRP | QRP/QRO |
|-----------------------|---------|---------|
| -----                 | -----   | -----   |
| Within own continent  | 5       | 1       |
| Outside own continent | 10      | 2       |

The final score is total points. There are no multipliers. A station may be worked once only but cross mode QSOs are allowed.

Unmarked duplicates will be penalised at 11 times the claimed score.

7. Entries by April 30th to:

G P Stancey, G3MCK  
G-QRP Club Contest Manager  
14 Cherry Orchard  
Staines



Middlesex TW18 2DF  
England

8. Entries to consist of station details including power, log sheets showing:  
date, time (UTC), band, call worked, exchange sent, exchange received, points claimed, and a declaration that the station was operated QRP in accordance with the spirit of the contest.

NB!!!

To encourage all Homebrew contest operators to submit logs, all complete entries will qualify for the second prize by including answers to the following questions with their entry.

- a) What bands and modes does the rig used in the contest cover.
- b) Give brief details of design and if a commercial kit, make and model.
- c) What other bands/modes would you like to see available on a kit tranceiver?
- d) What do you consider is a reasonable price for the kit implied in c)?
- e) What is the most complex piece of test gear that is available for your use?

9. Prizes.

First, for the highest scorer, a FROME RX for the band of your choice.

Second, all entries received with complete answers to the five questions

(8a to 8e) will go into a draw, the prize for which will be a Pitney RX.

10. The organizers decision shall be final.

-----  
-----

72, Mark N2VPK  
Member of the Buffalo QRP Connection  
-----=\_NextPart\_000\_01BC2B09.E98C0920  
Content-Type: text/html; charset=ISO-8859-1





Was messing with my SLT a little today and found the cause of the REV meter movement when putting RF into the dummy load. It's probably been in a previous post, but since I've not seen much on the SLT lately, thought I'd put it up.

The ground side of the 50 ohm load must have a direct connection to the chassis ground. On top of the board, I soldered a wire across the four leads of the four resistors (ground side) and then curled the end of that wire under the mounting post screw on the corner of the circuit board. The bottom of the post must also be fastened to the chassis floor with a second screw.

Now, no more REV meter movement when on the dummy.

73,

Harry, KM3D

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: Allen Jones <ajones@adsnet.com>  
Subject: [13999] SW-40 SOLD  
Message-ID: <1.5.4.32.19970307173004.006ba3f4@adsnet.com>

The Small Wonder SW-40 posted earlier has been sold.

Thanks all.

73 . . . Allen, W9DZ  
ajones@adsnet.com

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: "David Burniston" <davidgb@nortel.ca>  
Subject: [13990] SW30, NORCAL40, CASCADE - For Sale  
Message-ID: <199703071642.LAA49271@nss2.CC.Lehigh.EDU>

Hi,

It's time to build some new kits! To make room, I have the following for sale:

SW30 - in a case (about 4" x 1.25" x 6"). RIT documentation included (I

didn't find I needed it) .....\$70US

NORCAL40 - built from partial kit (original design) using parts as listed (purchased from Mouser & Digikey) .....\$75US

NORCAL Cascade - 80M & 20M SSB using plug-in band modules.  
Speaker/MIC not included .....\$150US

QSO's have been conducted on all rigs, and documentation is included.

Rigs have been unused for the last year due to a change in QTH, but I will verify functionality before shipping.

Terms: Money-Order up front, rig shipped insured post.

I have had a lot of fun with these rigs, but I really like building!

If interested, please contact me direct.

... Dave  
VE3LFO  
NORCAL 434  
davidgb@nortel.ca

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: "A.KeithWilliams" <ki4ja@bellsouth.net>  
Subject: [13992] T77C  
Message-ID: <332046F1.4A27@bellsouth.net>

Hello all,

I just worked T77C (San Marino?) on 18.072 Mhz at 1640Z. He was a strong 599 in here and appears he is giving realistic RST reports. He gave me a 599 and I was using 5 watts to a 135 foot dipole with tuned feeders. There is not much of a pile-up. I got him on the first try.

73.....Keith/ki4ja near Atlanta, GA

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: Joel Malman <malman@BBN.COM>  
Subject: [13929] Two Fox Night

Message-ID: <199703070319.WAA55037@nss2.CC.Lehigh.EDU>

OH Boy....

WOW: A first-time two fox catch in one night! Worked WD4MSM and N9DD tonight! Hey, I'm in fox hunter heaven!

72,

/joel wa1qvm (concord, ma)

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: AD4KB@aol.com  
Subject: [14004] Ugly Weekender II  
Message-ID: <970307123144\_308045186@emout20.mail.aol.com>

Anyone know where I can find online the schematic/info for the Ugly Weekender II, published in June 1992 QST? A friend gave me 3 circuit boards from FAR, a handful of parts, and said "good luck!" I would like to find the info (and don't have the issue of QST that it first appeared in). Tried the ARRL web page, but didn't find the article there.

Tnx de Jim (AD4KB@aol.com)

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: "duane" <duane@flinet.com>  
Subject: [13941] Voltage measurements 38S  
Message-ID: <199703070617.BAA27198@shell.flinet.com>

I downloaded the Voltage measurements posted by Paul NA5N regarding the 38S. I find 7.8 volts on pins 12 & 13 of U-2 on receive. the voltage paul posted for these pin location is 5.6v 1 volt less than pins 9 & 10 (6.6v) . instead of my voltage going down 1 volt it went up 1.2 for a grand total of 2.2 volts too high. any ideas guys as to why my voltage is too high and going the wrong way. I also have 7.8 volts on pin 1 of U-4 hc240 it should be 5.6 HELP !! well I hope all this has to do with the receiver because it seems to TX fine the ears are poor for now. probly has something to do with those voltages uh.

Just so you all don't get confuse I did plug in the HC240 backwards and had to look for problems, so I chose to replace the 914's (they all check good) the tx power is fine sounds good in my receiver. BTW I also replaced the HC240 and the 4066 for good measure but still can't get them voltages right.

any IDEAS

thanks all

Duane AB4BE  
<http://www.flinet.com/~duane>  
[duane@flinet.com](mailto:duane@flinet.com)  
[ab4be@amsat.org](mailto:ab4be@amsat.org)

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: cooper@gmpvt.com (Tom Cooper)  
Subject: [13995] W1EAT qsl hodup  
Message-ID: <199703071714.MAA07053@web.gmpvt.com>

I appologize to everyone whos sent me a QSL recently and is waiting for their VT confirmation. I ordered the cards but they never got here, so I'm ordering more. Thanks for your patience.

72

Tom W1EAT

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: af852@rgfn.epcc.Edu (William R Colbert)  
Subject: [14010] web lost websites?  
Message-ID: <9703071747.AA11983@rgfn.epcc.Edu>

A day or so ago some one or two people were asking about G3YCC's web page and also for Ten Tec - Just checked both and they are functional. Frank did change his page a couple of months back due to problems with Geocities and it is at:

<http://www.gqrpclub.demon.co.uk/>  
and for the page with the "oner": [www.gqrpclub.demon.co.uk/oner.htm](http://www.gqrpclub.demon.co.uk/oner.htm)

Tentec is located at <http://www.tentec.com>

73 Ray

--

Ray Colbert, W5XE, SOWP 1064M, 00TC 3618, FISTS 2146  
El Paso, Tx

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: "James S. Braun" <jsbraun@frontiernet.net>  
Subject: [13915] [Fwd: FS: A&A Engineering 40m Qrp Transceiver]  
Message-ID: <331F8C0C.4680@frontiernet.net>

Received: from node6 for jsbraun  
with Cubic Circle's cucipop (v1.13 1996/12/26) Mon Feb 10 13:22:55 1997  
X-From\_: owner-qrp-1@Lehigh.EDU Mon Feb 10 12:55:03 1997  
Received: from fidoii.CC.Lehigh.EDU (fidoii.CC.Lehigh.EDU [128.180.1.4]) by  
node1.frontiernet.net (8.8.5/8.8.2) with ESMTP id MAA37924; Mon, 10 Feb 1997  
12:47:20 -0500  
Received: from Lehigh.EDU ([127.0.0.1]) by fidoii.cc.lehigh.edu with SMTP id  
<35741-33334>; Mon, 10 Feb 1997 12:45:19 -0500  
Received: from nss2.CC.Lehigh.EDU ([128.180.1.26]) by fidoii.cc.lehigh.edu with  
ESMTP id <35183-33334>; Mon, 10 Feb 1997 12:40:45 -0500  
Received: from node1.frontiernet.net (node1.frontiernet.net [205.232.174.11])  
by nss2.CC.Lehigh.EDU (8.8.5/8.8.5) with ESMTP id MAA41015  
for <qrp-1@Lehigh.EDU>; Mon, 10 Feb 1997 12:39:44 -0500  
Received: from LOCALNAME (usr17-110.dial.roc.frontiernet.net [207.127.19.110]) by  
node1.frontiernet.net (8.8.5/8.8.2) with SMTP id MAA24498 for <qrp-1@Lehigh.EDU>;  
Mon, 10 Feb 1997 12:06:00 -0500  
Message-Id: <32FF803E.2E51@frontiernet.net>  
From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: Dan Tayloe-P26412 <Dan\_Tayloe-P26412@email.mot.com>  
Subject: [13984] Re: 38S key/keyer connections  
Message-ID: <M29812719.360.okfhm.1.970307160031Z.CC-MAIL\*/OU=SATCG/OU=AZBH/  
PRMD=MOT/ADMD=MOT/C=US/@MHS>

From mdwatt@usit.net Thu Mar 6 15:10:57 1997  
Received: from nss2.CC.Lehigh.EDU ([128.180.1.26]) by  
fidoii.cc.lehigh.edu with ESMTP id <34836-32760>; Thu, 6 Mar 1997  
10:10:55 -0500  
>I have \*almost\* finished my 38S, and am wondering if one can  
>add \*both\* the straight key connection and the keyer connection.  
>I'm assuming I'll lose the sidetone with the sk connection.  
>Occasionally I'd like to use my CMOS II with the radio (relay  
>keyed). Plus, I don't have the TiCK chip yet, but I'm almost ready  
>to smoke test ...

>Marty, KM7W

Marty:



You can still use the 38 special key input even after installing the Tick chip. The keyer circuit uses an open collector transistor to pull the key line low. The straight key input will be in parallel with the open collector transistor output and will cause no problems at all.

- Dan Tayloe, N7VE, Phoenix, Az, QRPL # 696, Az ScQRPions

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: "Jim Kortge, K8IQY" <jokortge@mci2000.com>  
Subject: [13912] Re: 38s xtal  
Message-ID: <3.0.1.16.19970305183841.2e3727b4@mail49.mci2000.com>

At 06:43 PM 3/4/97 -0800, Barry, K6ZA wrote:

>  
>Hi Jim,  
>  
>Sorry about last mail, hit the send button by accident....  
>What I was going to say was... My 38S (after replacing the defective xtal,  
>thank you), came up tuning 10.107-10.127. Everyone's seems to come up  
>differtly. Is that just component tollerence variations?  
>  
>Thanks for your helpful posts  
>  
>Barry K6ZA  
>

Barry...I'd guess the differences are the component tolerances. The chokes are probably at least 5% and the tuning diode is probably 10% or better, considering it is biing used in a type of service for which it was not designed. Overall, I'm sort of amazed that the rigs are coming out so closely, all things considered.

72, and thanks for the nice comment.....Jim

|                             |         |                     |
|-----------------------------|---------|---------------------|
| Jim Kortge, K8IQY (ex NU8N) |         | BMHA, NorCal, QRP-L |
| jokortge@tir.com            | __o     | Cascade 17/40 SSB   |
| Fenton, MI                  | _`\<,   | Mizuho 17/40 SSB    |
| ...                         | (*)/(*) | ...                 |

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: GREGOIRE@endor.com  
Subject: [13921] RE: 50 States in 50 Days Prizes and more

Message-ID: <Chameleon.970306205249.GREGOIRE@Gregoire.endor.com>

Hello Jim,

I'd like to add you to the list of folks to thank.

It was your idea and it is a great one.

I hope we can do it again, next year

73

-----  
de AA1IK,                      Lead by example.  
Ernie Gregoire

It is better to pull a string,  
than to push it.

R.R. 1, Box 221,  
South Rd.  
Canaan, NH. 03741

Fists # 2644, N.E.QRP # 202  
QRP-L # 95, Fly fisher & tier,  
Promise Keeper.

E-mail address: gregoire@endor.com

packet address: AA1IK@W1WOK.FN43FE.NH.USA.NA

-----  
03/06/97 20:50:21

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: ka7you@juno.com  
Subject: [13953] Re: ARRL 12 VDC Standard Connectors  
Message-ID: <19970307.041612.20399.2.KA7YOU@juno.com>

George,

I agree with you about those connectors somewhat. At least the rubber ones are designed for several amps, but the problem still remains that in most cases you have to buy them in pairs. Although if you go through the industrial supply houses, you can buy the seperate parts of the Molex types, but most of us just get them at Radio Shack-convenience has it's price.

The Power Pole connectors do not have male and female ends ( or plug and socket ends or + and - ends). The end result is that any connector will mate to any other one- with the correct polarity, and ONLY the correct polarity, unless you break the housing.

Our club has bought and installed over 400 of these that I know of,

and I haven't heard on one instance where they have been cross-polarized, if the contacts are installed correctly in the connector.

It is not necessarily the ultimate connector, but I sure like them a lot more than anything else for the money. It is just too bad they are not more readily available.

7 3,

Rod Johnson KA7YOU CN97AK near Issaquah, Wa. 160M thru 1296 MHz  
NWQRP#120 ARCI#7251  
QRP-L#844

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: George Gingell <k3tks@u1.abs.net>  
Subject: [14024] Re: ARRL 12 VDC Standard Connectors  
Message-ID: <Pine.BSI.3.93.970307142627.7782B-100000@u1.abs.net>

Hi Rod,

Thanks for the comments, I have seen those connector, but I still prefer the Automotive types. The plastic types tend to become brittle and break when exposed to cold and UV radiation. I have not thought much about the quantity pricing. I just seem to buy a few here and there when I see them at the right price.

I have also thought of getting some of the Polarized connectors like those which are provided by Kenwood on my 742A. They are similar to the molex connectors but have Blade type connectors and are better for higher power. On the other hand, what do I need with High Power connectors? Every thing that I own is QRP, except the 742A and an old EICO 720 TX.(Packed in a box around here somewhere). :-)

I used the Automotive Type with my Heavy Duty Power cable for my portable Laser. (HE). I used a set of "GATES" Hi Capacity Cells installed in a 30 Cal. Ammo Can with an IN-Line Fuse and a power cable made up of #10 Welding Wire Type Rubber Sheathed Power cable. It has The Automotive type Connectors spliced on both ends.

I wish I could remember where I got that wire, It is Great. It makes a great extension cable as well. Im not sure, but the name "Tyrex" comes to mind. Might be the brand name. I want to look for some more to make up Field Day Cables for some of the rigs. I also need to make up a new Battery Box, Power distribution set up. The old car batter finally died, I got a slightly used 105 Amp Marine Battery from an ex workmate who likes to replace his Bass Boat battery every year. I figure I could run all of my QRP rigs with it. :-)

Again, thanks for the comments. They have served to get me thinking of making plans for my Ultimate QRP Power station again. Oh, yes I have one of those 10 Watt "Bullet Proof" Solar panels to go with it.

QRP DX TU (C) 1986 G.Danny Gingell, K3TKS@abs.net  
Maryland Milliwatt QRP Reference Library, (301)572-6789

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: Ed Tanton <n4xy@avana.net>  
Subject: [13933] Re: Arrl Handbook 12 V Plug Standard  
Message-ID: <3.0.1.32.19970306225611.0098ba10@tiger.avana.net>

Nothing about my comments was meant to be personally critical Mike. But you most certainly can manage to get the pins in contact with each other-and that is all it takes for nicads. Besides which, that is not the point. The point is that for anything more than a couple of amps (OK, maybe 3 or 4A is OK) Molex connectors are a poor choice, period. My understanding of most modern mobile rigs is that they run 40-50W output, and therefore probably require a minimum of 75W at 12VDC. That is over 6 amps and-I repeat: for that current, ordinary Molex is a poor choice of connector. The specifically designated Molex power connector line-at twelve amps capability per connection-would probably be ok-but that is not the 'standard' that was recommended.

72/73

Ed Tanton N4XY      EMAIL: n4xy@avana.net      TEL: (770)579-3933 V/MBX/FAX  
189 Pioneer Trail  
Marietta, GA 30068-3466

|               |            |            |           |           |
|---------------|------------|------------|-----------|-----------|
| QRP-ARCI#7663 | G-QRP#6779 | OK-QRP#172 | QRP-L#758 | AdvRC#140 |
| NORCAL#1779   | NCDXF      | SEDXC      |           |           |

Life Member:    ARRL      AMSAT      IDRA      INDEXA      QCWA  
URL: Coming Sooner or Later

"Think you can, think you can't: either way you're right!"    Henry Ford

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: Monte Stark <ku7y@sage.dri.edu>  
Subject: [13913] Re: Back Home Again / Sierra Mods?  
Message-ID: <Pine.SUN.3.90.970306161147.5011A-100000@vortex.sage.dri.edu>

On Thu, 6 Mar 1997, Joe Gervais wrote:

> Oddly, despite all the  
> equipment/parts I brought along, airport security just  
> whisked me through. Contrast this with my sister-in-  
> law who, two weeks ago, had her bags searched due to  
> a suspicious bottle of mousse.

A few months ago my wife was checking in at Ontario and  
dropped her CCW permit on the counter when she pulled out  
her drivers license. The agent looked at it and didn't say  
anything.

When Carol got to the check point, they pulled everything  
out of her carry on and purse!!

Anyone think there wasn't a phone call made while she was  
walking up there??? :-)

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: Dan Hogan <dhhogan@lightside.com>  
Subject: [14032] Re: Communication Quarterly  
Message-ID: <3.0.16.19970307132858.40474930@mail.lightside.com>

Charles:

I've had mine for about a week.

72/73

Dan Hogan WA6PBY QRP-L #558, CQC #340, NorCal #1806,  
dhhogan@lightside.com ARRL, ARCI #3847, G-QRP #9533, FISTS #2949  
Lat. 34d 03.5'N Lon. 117d 56.0'W Grid: OM84wc

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>

Subject: [13997] Re: Crystal grinding  
Message-ID: <199703071716.LAA13291@multi13.netcomi.com>

Marty --

Back when I was a Novice using my Hallicrafters HT-9 transmitter, I used to regrind my crystals whenever I got tired of the frequency. Back then, novices could only use crystal control, and you got to know the hams who had crystals near you pretty well. I would grind the crystal and get a few kHz shift each time. I stopped grinding a crystal when it stopped working.

I did this even after I got my General. I just about used up all the crystals about the time I managed to acquire a vfo. Remember the Meissner Signal Shifter? I remember waking up on the other side of the room after I tried to change the vfo plug-in coil without shorting the plate cap, but that's another story...

Anyway, trying to move across a novice band is ambitious. I think that trying to move from 3250 kHz to above 3500 is science fiction.

Mike K1MG

-----  
> From: HIMES@idic11.idi.oclc.org  
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
> Subject:  
> Date: Friday, March 07, 1997 8:24 AM  
>  
> Anybody know any rules 'o thumb on 'regrinding' a crystal for a new freq?  
  
> I've got a few crystals for 3250 khz (no idea what's down there!) that  
> I'd like to move up to 80m and 40m QRP freqs. Maybe that's way too much  
> and I'm dreaming.  
>  
> Marty WB8FNH Columbus OH himes@idi.oclc.org

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: Bob Patten <n4bp@shadow.net>  
Subject: [14003] Re: Crystal grinding  
Message-ID: <Pine.SOL.3.91.970307123409.15099A-100000@hyper>

On Fri, 7 Mar 1997, Michael A. Gipe wrote:

> Anyway, trying to move across a novice band is ambitious. I think that  
> trying to move from 3250 kHz to above 3500 is science fiction.  
>

What's the problem, just use a courser file! :-)  
Never had much in my Novice year (1955). What did you use to grind them?  
I remember trying to use Ajax powder in a paste...

Bob Patten, N4BP  
Plantation, FL  
n4bp@shadow.net

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>  
Subject: [14011] Re: Crystal grinding  
Message-ID: <199703071748.LAA15172@multi13.netcomi.com>

While I was writing that note, I was trying to remember exactly what I used as a grinding powder. I remember that I had a piece of very thick plate glass to grind on, and I remember having to add a few drops of water to the paste every so often while I worked, and I remember having to switch my fingers to opposite corners frequently to make sure the grinding was even, but for the life of me, I can't remember what I used to make the grinding paste. Tooth polish, maybe? It will probably come to me six months from now, when I'm in the middle of a presentation to a client. I think the badgers keep nibbling bits of my brain when I'm not looking. Sort of a delicacy to the badgers, like cheese otters.

I also tried the trick of drawing on the crystal with a lead pencil to lower the frequency, but that never worked for me.

Funny how things change but stay the same. Just last year I was grinding ceramic quarter-wave resonators to tune up some near-microwave stuff...

Mike K1MG

>  
> > Anyway, trying to move across a novice band is ambitious. I think that  
> > trying to move from 3250 kHz to above 3500 is science fiction.  
> >  
> What's the problem, just use a courser file! :-)  
> Never had much in my Novice year (1955). What did you use to grind them?  
> I remember trying to use Ajax powder in a paste...  
>  
> Bob Patten, N4BP  
> Plantation, FL  
> n4bp@shadow.net

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: QLF@mimi@magic.itg.ti.com  
Subject: [13965] re: CW sending tests  
Message-ID: <9703071410.AA01138@itg.ti.com>

From: Brad Bradfield QLF

Subj: re: CW sending tests

> Hi Dave

> I gave well over a hundred novice cw tests in the pre-VEC days. A trick I  
> pulled regularly was to tell the testee "Before we start the test, I'll send  
> you a little bit to get you warmed up." I usually sent about 30 characters  
> or so at 5 wpm. Most of the time, the testee had everything copied perfectly.  
> They sure were surprised when I'd say "Congratulations, you passed!". The  
> usual reply was "What about the test?" and of course the answer to that was  
> that they had just taken it.

> 73,

> Tom N9DD

Tom,

I too gave bunches of novice tests in the pre-VE days and I used to pull one better than you mentioned. We'd start out with "just another" practice session, after which I'd ask how everyone did, and when anyone said they did OK, I'd ask for their paper. Then after checking, I'd tell them "Congratulations, you passed." Always shocked them, but sure eliminated the jitters. Don't think I ever had anyone finish my Novice CW class who didn't get licensed. If they stuck it out, they'd pass. And I'd stay with the practice sessions as long as it took. I really miss teaching the old Novice CW classes.

Oh, well.

72's es 73's,

Brad, WB0CGH

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: mdwatt@usit.net (Marty Watt)  
Subject: [13944] Re: CW testing and other topics  
Message-ID: <3322c334.140282486@smtp.usit.net>



On Thu, 06 Mar 1997 23:17:51 EST, aa7uf@juno.com (Gerald L Marsh)  
wrote:

>Instead of 13 and 20 WPM testing, why not substitute actual CW use on =  
the  
>air?

You may be on to something here. Of course, since novices are  
restricted to CW anyway (except for that slice of 10 meters that  
will rarely be good for the next few years), the only HF contacts  
they could make would be CW contacts ... the Extra would be a bit  
different.

>Require x confirmed CW contacts instead of 13 WPM, and y confirmed  
>contacts instead of instead of 20 WPM.

>

>Aren't we supposed to be fostering real radio operating skill (read the  
>intro to Part 97) as a part of our "incentive" licensing?

>

>I'd have to admit I passed my tests by drilling, drilling, drilling on a  
>computer. Does that make me a competent CW operator? (You guess)

>

>Room for fraud, you say?

>

>Which is harder - to fake one exam with three VE's, or to fake 20 or 30  
>CW contacts with different operators (which by the way you could confirm  
>or deny after the fact in their logs)?

Except the FCC no longer requires logs, except for third party  
traffic. The logging requirement went out some time ago. I still  
keep a log, personally, though -- it seems to be the smart thing to  
do.

>Who knows, some might find out they actually like CW when they use it on  
>the air. And there would not be intense pressure for ONE exam.

>

>Actually, we could consider the same for the initial 5 WPM. We don't  
>expect a new driver to prove they can drive a car before they drive a  
>car. A "learners permit" CW operator would be foolish to get on the air  
>to "pass" their initial (5 WPM equivalent) CW "test" if they did not  
>believe they had practiced enough off the air to communicate.

I advocate code \*recognition\* tests as a part of the theory exam  
(What is the alphabetic character represented in Morse Code as  
"didahdidit"?). But I think your idea has some merit.

Like you I drilled (via code tapes and computer) to pass the code test, and only after the "pressure" was off did I work any CW.

The only drawback I see to your idea, and I hope it's one that can be solved, is the speed aspect -- or are you indicating speed isn't important anymore? Just good operating? I'm inclined to agree ...

72 es 73 de=20  
Marty, KM7W

-----  
Jackson, Tennessee e-mail: mdwatt@usit.net  
http://www.public.usit.net/mdwatt  
"The Curmudgeon's Corner"  
NorCal #???? - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq  
-----

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: Richard Wilkerson <richqrp@cts.com>  
Subject: [13971] Re: CW testing and other topics  
Message-ID: <33202D6E.63F7@cts.com>

Gerald L Marsh wrote:

>  
> Except for the entry level CW testing @ 5WPM, why don't we do away with  
> CW testing altogether . . . . .  
>  
> and replace it with another kind of testing?  
>  
> Instead of 13 and 20 WPM testing, why not substitute actual CW use on the  
> air?  
  
>  
> Aren't we supposed to be fostering real radio operating skill (read the  
> intro to Part 97) as a part of our "incentive" licensing?  
>  
> I'd have to admit I passed my tests by drilling, drilling, drilling on a  
> computer. Does that make me a competent CW operator? (You guess)  
>  
> Room for fraud, you say?  
>  
> Hmmm.  
>  
> AA7UF  
> Jerry Marsh

\*\*\*\*\*

Yes I agree.... We should go back to the way it was 20 plus years ago. A new Ham should be a Novice and go back to CW only, one year! This way when the ham wants to upgrade he/she will be ready, will continue to work CW and may even pick up a mic? Also no renewed Novice, upgrade or lose the ticket. This crap when they changed it Tech-no code, these are the people that want something for nothing, if they want HF freq.(with no or little code) they can go to 27 Mhz. and use all the HF they want. The computer training.. another good one. I hear on our local 2 meter repeaters, "Extras" that don't know what an "IF" is and the person he was talking to was an Advanced wondering why his signal was so bad into the repeater(he was running over 100 watts). I think what we have are people that have just memorized answers to both the written and CW test, they can take the test every week now. We had to wait one month.

--

Rich Wilkerson, WD6FDD, Santee, Ca.  
ScQRPions

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: Monte Stark <ku7y@sage.dri.edu>  
Subject: [13980] Re: CW testing and other topics  
Message-ID: <Pine.SUN.3.90.970307074807.7621B-1000000@vortex.sage.dri.edu>

On Fri, 7 Mar 1997, Marty Watt wrote:

> >Require x confirmed CW contacts instead of 13 WPM, and y confirmed  
> >contacts instead of instead of 20 WPM.

This is what Russa did for years.....or at least close to it. Only get a "permit" type of license to operate a club station under supervision until various goals were made.

There was speed, number of contacts, overall ability to sound like a good operator.

I don't think many would stand still for that here!

> -- or are you indicating speed isn't  
> important anymore? Just good operating? I'm inclined to agree ...

But you can't really define "good operating". Just look at what is said here on this list from time to time.

Some of the best contest operators in the world are bad mouthed here

because they go too fast! People who use bugs and have a good personal swing are condemned because many have either lost or never had the skills needed to copy hand sent CW.

Far too many, (IMHO), seem to think that CW should sound like it does from a computer. But where are the complaints about the mis-spacing or timing many of these programs do? How about the infamas (sp?) Farnsworth method?? That doesn't meet the real difinition of CW, does it?

How about some of the rigs that chop the first dit or dah of a string so badly that it's not even fun to listen to? Why do we still buy them?

And the list could go on and on.

The point is that there is no way to test that will satisfy everyone. And there is no one "right" was to make CW!

Then to throw into the pot the idea of power plug standards really gets me giggling!!

With no standards for CW, RS232, AT commands or marriage vows, lets just have a single code test, sending and receiving, by hand, no keyers, mills, computers and etc, of 25wpm. 5 letter code groups, no guessing!

: -)

73, Ron,        SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: Richard Wilkerson <richqrp@cts.com>  
Subject: [13982] Re: CW testing and other topics  
Message-ID: <33203E61.172B@cts.com>

Monte Stark wrote:

>  
> With no standards for CW, RS232, AT commands or marriage vows, lets  
> just have a single code test, sending and receiving, by hand, no  
> keyers, mills, computers and etc, of 25wpm. 5 letter code groups,

> no guessing!  
>  
> :-)  
>  
> 73, Ron, SOWP 5545M,  
>  
> .....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
> ....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
> ....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

\*\*\*\*\*

Amen, and Thank you Ron.

We have talked about this many times and you know my feelings!

72's.....rich

--

Rich Wilkerson, WD6FDD, Santee, Ca.

ScQRPions

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: Dan Hogan <dhhogan@lightside.com>  
Subject: [14008] Re: CW testing and other topics  
Message-ID: <3.0.16.19970307090033.28c7d934@mail.lightside.com>

I think this belongs in rec.amatuer.radio.policies.

72/73

Dan Hogan WA6PBY QRP-L #558, CQC #340, NorCal #1806,  
dhhogan@lightside.com ARRL, ARCI #3847, G-QRP #9533, FISTS #2949  
Lat. 34d 03.5'N Lon. 117d 56.0'W Grid: OM84wc

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: hal <hcking@acssun.pstcc.cc.tn.us>  
Subject: [14030] Re: Digital LED clock?  
Message-ID: <Pine.GS0.3.95.970307164225.16456A-100000@acssun>

On Fri, 7 Mar 1997, Arjen Raateland wrote:

> Gang,  
>  
> I'm looking for a digital LED clock for my shack.  
>

I'm just getting started (not even Novice yet) but I am a time geek and

was pointed toward this by Harlan Stenn <Harlan.Stenn@pfcs.com>

=====

Gadget Box PPS Level Converter and CHU Modem

[...] The gadget box consists of a handful of electronic components assembled in a small aluminum box. It includes level converters and an optional radio modem designed to decode the radio timecode signals transmitted by the Canadian time and frequency station CHU. A complete set of schematics, PCB artwork, drill templates is in the pub/ntp/gadget.tar.Z file on ftp.udel.edu.

[...]

David L. Mills (mills@udel.edu)

=====

hal

Codea, Compilea, Coredumea  
I coded, I compiled, I coredumped.  
-...uhhhh ummmm oh yea, \_I\_ said that!

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: Chris Cartwright <ccart@dns.vidtel.com>  
Subject: [14035] Re: Digital LED clock?  
Message-ID: <Pine.LNX.3.93.970307174823.1260E-1000000@dns.vidtel.com>

On Fri, 7 Mar 1997, hal wrote:

> I'm just getting started (not even Novice yet) but I am a time geek and  
> was pointed toward this by Harlan Stenn <Harlan.Stenn@pfcs.com>

Well welcome aboard! It took me 20 years to get up the nerve to test into what has become my "most bestest hobby" !

> Codea, Compilea, Coredumea  
> I coded, I compiled, I coredumped.

Gotta tell 'ya, this one had me ROTFL, being a professional "Unix Geek", this one struck close to home. To steal K5FO's line, been there, done that.

-- Christopher Cartwright, Tech. Engineer | ...our chief weapons are fear,

-- Voice 301.990.0735 N3XRV QRP-L #655 | fear and surprise, and nice  
-- Mail ccart@vidtel.com | red uniforms, oh damn!!  
-- ccart@erols.com | -- Monty Python

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: Cecil A Moore <Cecil\_A\_Moore@ccm.ch.intel.com>  
Subject: [13981] Re: Dipole VEE portable and simple

>From: dwink@juno.com (Daniel C Winkler)  
>PS, if I'm not mistaken, there is a corollary to the above.  
>A QUARTER wavelength coax feedline should not radiate at all,  
>theoretically, since its far end (at the rig) is forced to  
>be at rf ground potential.

Hi Daniel, es corectomente, a half-wave wire reproduces  
whatever is at the other end and a quarter-wave wire yields  
the opposite of whatever is at the other end. A shorted  
quarter-wavelength of transmission line looks like an open  
circuit at the other end.

73, Cecil, W6RCA, 00TC

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: ed.welch@cheaha.com (ED WELCH)  
Subject: [14001] Re: fox teams !  
Message-ID: <8D37519.0004001278.uuout@cheaha.com>

-> Ah, but Ed is one of those 'displaced' scqrpion and norcal members  
-> :-) (We keep a few scattered around the country for intelligence  
-> gathering...)

Hee hee hee....this Columbo trench coat is handy...all these big pockets  
for qrp-rigs, antennaes, feedlines, keys,.....

72/73  
Ed Welch KF4KRV  
NorCal Member #???  
1st Grand Poobah ScQRPion of Alabama  
QRP-L #873 - FISTS #2964  
Luverne, Alabama  
Crenshaw County - Grid EM61

+-----+  
-----+ Norcal 40a es Straight Key es Wire-wrapped Trees +-----  
+-----+

> Isn't "time" a 4-letter word? <

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: "James S. Braun" <jsbraun@frontiernet.net>  
Subject: FS: A&A Engineering 40m Qrp Transceiver

I have for sale my A&A Engineering 40m Qrp Transceiver.  
This is the Gary Breed (k9ay) design: features single-signal receiver,  
VFO tuning, AGC, output 5watts, and also has KC-1 installed.  
In excellent condition w/ all documentation. I have made many contacts  
with this rig, and only reason for selling is I need something else to  
build. I would like to purchase a Sierra as my next project.

I am asking \$150 / or trade towards unbulit Sierra.  
I can be reached at (716)367-9826 or e-mail: jsbraun@frontiernet.net

Thanks / 72's  
Scott  
KB2GWF  
Qrp-L #286

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: gsurrency@juno.com (Gary L Surrency)  
Subject: [13985] Re: Gluing connectors together?  
Message-ID: <19970307.092437.10222.0.gsurrency@juno.com>

Zack,

I glued together the Molex power connectors (yes, the ARRL recommended  
standard ones) a long time ago with some two-part epoxy. I wanted to fix  
the pins in place so they didn't move about when using them, since the  
retaining spikes on the push-in connectors only hold so much.

I pushed the glue into the back of the assembled connectors, being  
careful not to get too much in that would permanently glue both sides of  
the connector together. In this way, the wires were also sealed and



securely "stuck" to the connector body. It's kind of a strain relief I guess you might say.

Not sure if this is what you meant, but I think epoxy is a good way to go. It won't harm the nylon body of the connectors, but does seem to stick to it OK.

I have also had good luck with a product called JB Weld, available in several versions for fast or slow curing times. The glue used in the molex connectors mentioned above was the clear two part epoxy from Devcon.

72,

Gary Surrency AB7MY  
S&S TAC-1(40&80m) and ARK30, AT-11 (QRO and QRP)  
QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH  
Az ScQRPions

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: WA8GHZ /5 Jack Dougherty <jdougher@wt.net>  
Subject: [14016] RE: Heatsinking  
Message-ID: <3320B9D2.45C8@wt.net>

I'm glad you asked that, cause I didn't know either about the RS goop, but I do now - it works just fine. I admit to sticking the probes of my VOM in a dab of the stuff to see if it electrically conducted prior to use.....

BTW, you do have to use the small sheet of plastic/mica between the device and the cabinet wall, and RS sells that too, if you haven't snagged that yet. Throw out the metal screw & grommet that comes with the RS heatsink kit, though, and get a nylon one at hardware/Sears/etc. I had a problem where the grommet broke, screw touched, and poof. Probably due to vibration in my vehicle/mobile environment.....

WA8GHZ /5 / "I know the guy who built my radio."  
Jack /Houston/

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: Ed Pacyna <pacyna@auratek.com>  
Subject: [14019] Re: Heatsinking  
Message-ID: <3.0.16.19970307135203.203fe35e@galaxy.auratek.com>

At 04:00 PM 3/7/97 GMT, you wrote:

>The 38 Special manual tells us to use heatsinking compound on the  
>back of the IRF510 (5 watt mod), and nylon screws/nuts for mounting  
>to the case of the rig -- but do not ground the case

>The heatsink compound at RS says that it is highly conductive -- not  
>sure if they are speaking of electrical or heat only. It is a  
>silicon based product. Is this stuff ok?

Many of the MOSFet's (and transistors) have their drain (or collector) electrically connected to the metal tab. When fastening the tab to the heat sink, the tab must be electrically insulated from the heat sink. This is typically done using a thin mica insulating washer. In addition metal hardware is typically used to fasten the device and a through the hole washer (teflon) must also be used.

The heat sink compound has good termo conductivity. However, only apply a very thin coating. Its purpose is to fill the small imperfections in the surfaces and thus provide better heat transfer. Using too much is wasteful, messy and will actually provide less heat transfer.

Note: Some semiconductors have their emitters connected to the metal body. Examples are MRF479, MRF477 (TO 220 type cases) and most flange mount devices. Check your data book. If the emitter is at ground potential in your circuit, use only a thin application of heat sink compound (do not use insulating washers).

Ed  
W1AAZ

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: "Dana H. Myers" <myers@bigboy.West.Sun.COM>  
Subject: [14022] Re: Heatsinking  
Message-ID: <Roam.SIMC.2.0.4.857761524.4424.myers@bigboy>

Ed W1AAZ wrote:

> >The heatsink compound at RS says that it is highly conductive -- not  
> >sure if they are speaking of electrical or heat only. It is a  
> >silicon based product. Is this stuff ok?  
>  
> Many of the MOSFet's (and transistors) have their drain (or collector)  
> electrically connected to the metal tab. When fastening the tab to the heat

> sink, the tab must be electrically insulated from the heat sink. This is  
> typically done using a thin mica insulating washer. In addition metal  
> hardware is typically used to fasten the device and a through the hole  
> washer (teflon) must also be used.

I believe most heat sink compound is zinc oxide particles (which provide the heat transfer) suspended in a high temperature grease (usually silicone based). Both ZnO and silicone grease are dielectric, though I can not cite a breakdown voltage spec or dielectric constant. I know my jar of Wakefield heat sink compound claims to be electrically non-conductive ;-).

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: "Dana H. Myers" <myers@bigboy.West.Sun.COM>  
Subject: [14029] Re: Heatsinking  
Message-ID: <Roam.SIMC.2.0.4.857765514.5150.myers@bigboy>

I wrote:

> Ed W1AAZ wrote:

>

> > >The heatsink compound at RS says that it is highly conductive -- not  
> > >sure if they are speaking of electrical or heat only. It is a  
> > >silicon based product. Is this stuff ok?

> >

> > Many of the MOSFet's (and transistors) have their drain (or collector)  
> > electrically connected to the metal tab. When fastening the tab to the heat  
> > sink, the tab must be electrically insulated from the heat sink. This is  
> > typically done using a thin mica insulating washer. In addition metal  
> > hardware is typically used to fasten the device and a through the hole  
> > washer (teflon) must also be used.

>

> I believe most heat sink compound is zinc oxide particles (which provide  
> the heat transfer) suspended in a high temperature grease (usually  
> silicone based). Both ZnO and silicone grease are dielectric, though  
> I can not cite a breakdown voltage spec or dielectric constant. I  
> know my jar of Wakefield heat sink compound claims to be electrically  
> non-conductive ;-).

After prodding by Ed, it occurs to me that my message may be misleading. I believe that one need not be concerned about the compound being conductive, and thus shorting around a mica insulator. However, I did not intend to suggest that an insulator was not required. I suppose I think this is just obvious enough that it need not be said ;-)

Sorry about any confusion I might have raised.

Dana K6JQ

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: "Ed Manuel" <n5em-qrp@msn.com>  
Subject: [13978] RE: How did we manage .... ?  
Message-ID: <UPMAIL06.199703071554230564@msn.com>

Kevin,

A couple of ideas come to mind. First, people did not acquire as much knowledge as rapidly as now. You learned the fine points of the art by years of practice, conversation, reading, questions, etc. Today, you watch the discourse on a continuous basis - sort of like sitting in the granddaddy of all QRP forums every single day of your life.

Second, we develop the state of the art more rapidly. The rate of change is so much faster today than it was only 15 or 20 years ago. One reason for that rapid rate of change is instantaneous idea exchange. When 1000 QRPers are looking at a thread and someone asks a question, answers are immediate. Some are old news, some are revisions of old news, and a few pop forth with a new idea altogether. The probability of having someone listening who will have that new idea is so much greater when everyone is listening at the same time.

Ever heard of a "hoot and holler" circuit? For decades, the stock brokers knew that instant info was necessary in their business. To provide that immediacy, they had analog lines installed between all the brokers in all the Wall St. Houses. At your desk, you would have a simple audio intercom box. It was always listening to the circuit. You could push a button and ask a question, heard by hundreds of other brokers on their intercom boxes - people would "hoot and holler" to get the answer to a question or to advise of some timely fact that affected their business. The Internet QRP Club has become the "hoot and holler" of the QRP fraternity.

Before this, we did all right. We probably had fewer ulcers and less stress. Now, instead of having some little problem with your HB QRP rig, you also have problems with your computer, your browser, your ISP and your wife who wants to know why you are now spending more on your computer every year than you are on your radios. Oh, and for some reason, we seem to have less time to actually OPERATE those little HB QRP rigs. Now why is that?

Ed, N5EM  
Houston, Tx.

-----

From: owner-qrp-l@Lehigh.EDU on behalf of Kevin Anderson  
Sent: Friday, March 07, 1997 7:35 AM  
Subject: How did we manage .... ?

I walk to and from work, so get plenty of time (40 min. each way) to think. The thought on my mind this Friday morning was just this: how did we (I) manage before e-mail, particularly with respect to radio, our interest and hobby ?

- Articles were obviously written in magazines (QST, CQ, etc.).
- People must of had more in-depth technical discussions on the air.
- And there sure must have been more local knowledge.

That is all I can think of.

OR was there not much really known or shared then as now?

Pondering....help me out OTs.

And disappointed - I was too close to hear either of the Thursday foxes -- sorry guys.

Cheers/72. Kevin, KB9IUA, Rock Island IL  
home: kb9iua@juno.com

\* \* \* \* \*

Opinions expressed here are my own and do not represent the  
U.S. Army Corps of Engineers or the Federal Government.

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: mdwatt@usit.net (Marty Watt)  
Subject: [13987] Re: How did we manage .... ?  
Message-ID: <33254343.29181840@smtp.usit.net>

On Fri, 7 Mar 97 15:52:24 UT, "Ed Manuel" <n5em-qrp@msn.com> wrote:

>Ever heard of a "hoot and holler" circuit? For decades, the stock =  
brokers=20  
>knew that instant info was necessary in their business. To provide that=  
=20  
>immediacy, they had analog lines installed between all the brokers in =  
all the=20  
>Wall St. Houses. At your desk, you would have a simple audio intercom =  
box. =20  
>It was always listening to the circuit. You could push a button and ask=

a=20  
>question, heard by hundreds of other brokers on their intercom boxes - =  
people=20  
>would "hoot and holler" to get the answer to a question or to advise of =  
some=20  
>timely fact that affected their business. The Internet QRP Club has =  
become=20  
>the "hoot and holler" of the QRP fraternity.

If you'd like to see one in action, visit your local auto salvage  
yard -- they have them also!

72 es 73 de=20  
Marty, KM7W

-----  
Jackson, Tennessee e-mail: mdwatt@usit.net  
http://www.public.usit.net/mdwatt  
"The Curmudgeon's Corner"  
NorCal #???? - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq  
~~~~~

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997
From: Raventhorne <jelder@ix.netcom.com>
Subject: [13930] Re: HW-8 questions please?
Message-ID: <2.2.16.19970306193219.31271504@popd.ix.netcom.com>

At 01:36 PM 3/5/1996 +0900, Eric Via wrote:
>Fine QRP-heads,

>1) What kind of antenna connection does it have?

Mine is attached via a UHF connector.

>2) What size is it? Approx. how heavy?

roughly 10 x 8 x 4 inches, 4.5 lbs according to:

<http://www.natworld.com/ars/equip/table.html>

>3) I have a straight key that's been dying to be used, but
> wonder how exactly will I hook it up to the HW-8? Is
> there any special wire that must be connected to the key?
> What kind of input hole will the HW-8 have for the keyer?

mine has a standard 1/4" phone jack.

73,

John
K06TS

@~~~

@ John Elder, Wide Sky Men's Council
@ (310) 416-9901 Box 232, El Segundo, CA 90245

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997
From: "David Yanke" <n9ssg@pobox.com>
Subject: [13994] Re: HW-8 questions please?
Message-ID: <199703071657.KAA23197@mail.xnet.com>

>
>
> roughly 10 x 8 x 4 inches, 4.5 lbs according to:
>
> <http://www.natworld.com/ars/equip/table.html>
>

Mines inline so I haven't picked it up for a while, but I'm pretty sure it's about a pound or so. I'll have to check it and the site you mentioned out.

You must be at least this tall to ride.

Dave Yanke - N9SSG

mailto:n9ssg@pobox.com <http://www.pobox.com/~frrl>

PGP Pubic Key: <http://www.xnet.com/~n9ssg/pkey.htm>

FRRL, COL, 10-10 #67441, FISTS #2365, ARRL

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997
From: qrp1ist@vulcan.com (QRPLIST)
Subject: [13910] Re: Membership
Message-ID: <8D3742E.0011009451.uuout@vulcan.com>

Hi to all,

I have been reading the posts to this group for some time now and attempted to send a message awhile back. I was wondering how to go about joining this fantastic group. After my last posting my laptop got

a virus and it has been awhile since I could get back on(I hpe that doesn't happen this time).HI HI

I get the list as a newsgroup thru my local(B'ham,Al.) ham BBS but am on the Internet now also. If I cud impose (I don't think this great group knows what that is, all of you are so unselfish and helpfull) upon the group, I have some questions.

1. What is 72 ?
2. Is there a listing of the novice/tech(my class,tech) fox nites ?
3. I need info on a good ant. tuner for portable use ?

I've already built a SLV, hadn't had a chance to try it yet, got a SD-20 at local Wally-World. I have a TS-830s that I turn down at home and a CM Howes 40m xciver kit that I use at work/portable. I run a G5RV at home and a longwire and/or hamstick at work. I started out with a Ramsay TX/RX but am wanting to sell that. Again I can't tell all of you what a great group of knowledgeable, friendly, helpfull guys that I've seen here on this notebook.

73 es look fwd to getting more involved de Jim KD4KZQ

* SLMR 2.1a * I'm in shape ... round's a shape isn't it?

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997
From: "Dean Marzocca" <n2tnn@ifu.net>
Subject: [13914] Re: N/T FOX Graduation Party
Message-ID: <199703070042.TAA23895@mail.ifu.net>

Barry,

Finally got you. I turned on the computer and went into the e-mail. I clicked to get mail and I was reading your last post about the graduation party. I was just reading it and not paying attention until I realised that tonight was the night. I looked over at the clock and saw the time was 0020. I thought no way---but lets listen. I turned on the QRP+ and it was set at 7.040. A loud station was calling CQ so I hesitated for a moment and then thought the band sounds good. I spun the dial and it stopped at 7.112.1 and I hear CQ de WD4MSM. Clear channel so I called back and you gave me a 339. Your signal was 559 and I might add, a nice fist to copy.

Another one for the record book and I'm glad you were there to get the QSO. Not 2 minutes later I hear the Don Don Don! and the international stuff took over the frequency. Good thing I didn't stay too long with that guy on 7.040!

Good luck on the CW, your off to a good start and on your party day!

QSL is in the mail for you going thru the US Buro. Hope to catch you again.

72, Dean NJ #560

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997
From: tahrens1@juno.com
Subject: [13927] Re: N/T FOX Graduation Party
Message-ID: <19970306.203713.4887.6.tahrens1@juno.com>

Barry - Again, congratulations!!!

Also, glad to snag you and join in the celebration. Thanks for the sodie (texas for cold drink/pop/etc)!

cu down around .040

Tim W5FN

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997
From: adams@chuck.dallas.sgi.com (Chuck Adams)
Subject: [13967] Re: N/T FOX Report for Thursday
Message-ID: <199703071415.0AA22367@chuck.dallas.sgi.com>

Barry,

Congrats on the upgrade and the party. I showed up but I really think that the tree limb that fell on my antenna a while back did some serious damage now or the recent rains have leaked in and made me a real good dummy load. The puppy comes down after lunch today (I get some time off today for weekend travel. Wow, such a deal.) and back up in time for the test tonight. So I was a wallflower for this

party, but I know you will be on the air with the rest of us for 30M, you do have a rig now for the new spectrum that opens up to you?

Thanks to you and all the other N/T+'s that stuck with it and showed that all it takes is time and energy and the rewards will follow. That is worth more to us as a group than all the rest of the DX in the world we could work and all the rigs we can ever build.

You done good kid. You got your diploma (your new ticket) and the party looked good. Now what you gonna do for your graduate degree? Hmmm. Extra sounds good. Just don't get off the air. Get on as much as possible. You are cruising now kiddo.

Don't let the pressure get to you. :-) ;-)

73/72 es dit dit

Chuck Adams K5FO adams@sgi.com DXCC=11
http://reality.sgi.com/employees/adams_dallas/

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997
From: Dan Hogan <dhhogan@lightside.com>
Subject: [14009] Re: N/T FOX Report for Thursday
Message-ID: <3.0.16.19970307091709.34af2e38@mail.lightside.com>

Well, I arrived in time for the party, but never found it. I did hear a lot of other people looking for it.

72/73

Dan Hogan WA6PBY QRP-L #558, CQC #340, NorCal #1806,
dhhogan@lightside.com ARRL, ARCI #3847, G-QRP #9533, FISTS #2949
Lat. 34d 03.5'N Lon. 117d 56.0'W Grid: OM84wc

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997
From: Bill Todd <bill@techline.com>
Subject: [13996] Re: Old Navy Receivers
Message-ID: <1.5.4.32.19970307171110.00687d8c@mail.techline.com>

Does anyone on the NWQ or QRP list happen to know where there might be a web page specializing in surplus radio equipment?

costly (mostly in terms of operating time lost) and occasionally dangerous (when they short/burn up/etc.) and thus they deserve a lot more attention and care in selection, utilization, and construction than they usually get.
72/73

Ed Tanton N4XY EMAIL: n4xy@avana.net TEL: (770)579-3933 V/MBX/FAX
189 Pioneer Trail
Marietta, GA 30068-3466

QRP-ARCI#7663 G-QRP#6779 OK-QRP#172 QRP-L#758 AdvRC#140
NORCAL#1779 NCDXF SEDXC

Life Member: ARRL AMSAT IDRA INDEXA QCWA
URL: Coming Sooner or Later

"Think you can, think you can't: either way you're right!" Henry Ford

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997
From: Zack Lau <zlau@arrl.org>
Subject: [13956] Re: Power Connectors
Message-ID: <3320111C.1271@arrl.org>

The modularity of the Anderson Powerpole connectors is also a disadvantage. Sure, you can assemble them to avoid cross polarity. But, a James Bond type (or little kid getting into trouble) can easily take them apart and reassemble them to wreak havoc--no tools required.

This is why I was looking for the type with locking tabs... --Zack Lau W1VT

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997
From: Jeff Grudin <grudin@pacific.vdbs.com>
Subject: [13991] RE: Power Connectors?
Message-ID: <33204699.5B88@pacific.vdbs.com>

I have missed this thread. With it continuing for so long I just have to think I must be missing something.

I have been using the Radio Shack (horrors!) Heavy Duty polarized interlocking connectors. They are readily available and cheap. They are

rated at 250V and 20A. You cannot connect them backwards. They seem to work well for QRP and 100W QRO. Looking at them they are as heavy duty as the plug connector on the back of the rig.

So what am I not seeing? Is there a problem that I am missing?

Please email me direct as I'm sure there has been enough on the subject to the list.

--

73 de Jeff AC6KW
grudin@vdbbs.com

QRP-L #16	Private Practice : Companion Animals and
Exotics	
Norcal QRP #1292	Ocean Animal Clinic / Cat Clinic of Santa
Cruz	
	Santa Cruz,
California	

QRP'ers do it with less energy (but lot's of enthusiasm)!

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997
From: Dave.Ackrill@westwood45.powergen.co.uk
Subject: [13950] Re: Proposed licensing changes
Message-ID: <970307111211Z*/G=Dave/S=Ackrill/O=westwood45/PRMD=POWERGEN/
ADMD=CWMAIL/C=GB@MHS>

In reply to the statement made by John, K06TS, that "It would be nice for somebody to make certain that an operator can =SEND= code before licensing them to use a key . . ."

I guess that passing the Morse Code Test is like passing a Driving Test, it only shows that you met a particular standard on a particular day, it doesn't mean that you will always drive that way nor that you will be a good driver for the rest of your life HI!

Cheers de Dave (G0DJJA)

"How far that little candle throws its beams!" Merchant of Venice
Act 5

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997
From: Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>
Subject: [13940] Re: QRP-L Debugging Contest
Message-ID: <M1324023.003.nt152.1.970307060755Z.CC-MAIL*/OU=LMPCC10/OU=ILBE/
PRMD=MOT/ADMD=MOT/C=US/@MHS>

It seems only fair that if two contestants worked in tandem as a team to debug the lil beast, why not have them build the prize kit as a team?

Who knows, it might need debugging? :-)

72, Bob N6WG

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997
From: Brian Cieslak <brianc@ams-i.com>
Subject: [13963] Re: QRP-L Debugging Contest
Message-ID: <c=US%a=_%p=Adaptive_Micro_S%l=AMS-I_SERVER_1-970307135315Z-8@ams-i-server-1.ams-i.com>

How about giving the rig to Mike to build up and check out then donate it to handi-hams where someone who may not be able to build up a rig could get on the air. Donate it in the name of both Larry and Mike

Brian AE9K

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997
From: Norm.Lee@flinders.edu.au (Norman J. Lee)
Subject: [13922] Re: QRP-L digest 657
Message-ID: <v01540b09af4552451023@[129.96.234.104]>

Hi from VK5-land,

I have just received my 38S kit and am I ever impressed! The quality is just superb, and the manual is the best I have ever seen. I am really looking forward to working you all on 30 meters. Just a couple of questions -

- i) the pots used for tuning and RIT etc, are they linear or log?
- ii) You guys won't believe me, but IRF 510/511 are just not available in South Australia, not at any price, I have tried everywhere. What alternatives can I use?

Thank you for the bandwidth

Norm
VK5GI
norm.lee@flinders.edu.au

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997
From: Joe Gervais <vole@primenet.com>
Subject: [13916] Re: QTTF -- Texas Yahoos
Message-ID: <199703070101.SAA15891@usr01.primenet.com>

OJ (K10J) wrote:

> The 'Texas Yahoos' wish to put forth an official challenge to all
> contestants in the upcoming QTTF. We will put up a wager of 10 lbs
> of the best Texas style Bar-B-Q ribs with sauce shipped to the
> highest scoring team anywhere in the lower 48 states.
[SNIP]
> I'm still waiting for the AZ and CA boys or even the East Coasters
> to stand up and be accounted or maybe, just maybe they are not
> up to the challenge.....

We Phoenix Critters are just trying to figure out what to do with 10 lbs of BBQ ribs. After all, you did read the report this week which found that Phoenix was in the Top Three Cities for lowest obesity per capita. All of us AZ hard bodies *cough* *cough* are wondering if we could change that wager to some Vegemite, wheat germ and organic tofu.

Gotta run move my mousepad and work the other forearm for awhile. Ahhhh, feel the burn.

: -)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"What, a RAW FROG?!? Don't you even take the bones out?"
"If we took the bones out they wouldn't be crunchy, would they?"

From owner-qrp-1@Lehigh.EDU Fri Mar 7 18:04:38 1997

From: Bob Hightower <ki7mn@dancris.com>
Subject: [13928] Re: QTTF -- Texas Yahoos
Message-ID: <199703070306.UAA01358@dancris.com>

At 06:01 PM 3/6/97 -0700, you wrote:

>

>We Phoenix Critters are just trying to figure out what to
>do with 10 lbs of BBQ ribs. After all, you did read the
>report this week which found that Phoenix was in the Top
>Three Cities for lowest obesity per capita. All of us AZ
>hard bodies *cough* *cough* are wondering if we could change
>that wager to some Vegemite, wheat germ and organic tofu.

>

>

You can count me out on the vegemite, I want the ribs!

73,

Bob, KI7MN Chandler, AZ ScQRPion QRP-L #271, NorCal #1228, CQC #274, QRP
ARCI #8918, AK QRP #30, not in any order of importance.

<http://www.dancris.com/~ki7mn>

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997
From: "Heron, George" <G.Heron@dialogic.com>
Subject: [14017] RE: Quote from G5RV
Message-ID:
<c=US%a=_%p=Dialogic%l=EXCHANGE1NJ-970307183329Z-8378@exchange1nj.dialogic.com>

Cecil,

I've noted that most of the qrp antenna tuners described in the books I
have, or those being produced in kit form these days, do not have a
balanced, or balun connection capability. Is there a reason for this or
is my research just not extensive enough?

I've had great luck in my QRO past with 450-ohm feeders and would like
to use for qrp now.

Thanks,

--George N2APB
g.heron@dialogic.com
<http://www.njqrp.org> <-- Home of the NJ-QRP Club!

>

Cecil A Moore wrote:

Why did he consider this length convenient?

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997
From: N4JS <n4js@amsat.org>
Subject: [14034] Re: Quote from G5RV
Message-ID: <v03020902af464a0551f0@206.106.174.44>

 γ $\succ$ $\succ$

>Ken, N6TZV

```
John L. Sielke n4js@amsat.org   n4js@pobox.com  
n4js@n4js.ampr.org NJ Grid:FM29LN  
http://www.pobox.com/~n4js NJ-QRP #57  
QRP-L #884 QRP-ARCI #9328 NE-QRP #507  
G-ORP #9544 Norcal #???? OCWA Life Member
```

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997
From: JEVERHART@cayman.vf.mmc.com
Subject: [13960] Re: Rainbow Tuner
Message-ID: <970307082743.2062552f@cayman.vf.mmc.com>

Randy, you wrote:

>OK, I keep hearing all this great stuff about the Rainbow Tuner, but, so
>far, all the info I can get is about how to order the kit. Where can I
>find a schematic? I at least need to "kick the tires" a bit before
>deciding whether or not to build or buy.

The Rainbow Tuner (actually Rainbow Bridge/Tuner) was a NorCal desing
competition project as was the 38 Special. Details appear in articles int he
December 1996 QRPp and the Jan 1997 QRP Quarterly. If you don't have access
to those publications, you can find some info on the NJQRP web page at:

<http://www.njqrp.org>

The info on the web page is, as yet, incomplete. There **is** a description of
the tuner and a spec sheet. Soem time perhaps this weekend the schematic
diagram will be put there.

Hope this helps.

72/73,

Joe E., N2CX

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997
From: Sandy W5TVW <ebjr@worldnet.att.net>
Subject: [13949] Re: Ring magnifier
Message-ID: <19970306063302.AAA3724@LOCALNAME>

At 02:17 AM 3/6/97 +0000, you wrote:

>Brad:

>If you don't have one of those magnifying lamps already, GET ONE. Most
valuable

>tool in my shop. Got mine as a birthday present last year, with suitable
>guidance to the xyl. Worth every penny.

>Bob N6WG

>

> My XYL bought me one about 10 years ago! Just the thing for us
"olde Pfartes"

who wear bi-focals and can't see that good anymore!

73,

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"

417 Ridgewood Drive,
Metairie, LA., 70001
ebjr@worldnet.att.net
Looking for: 860 tubes, WL-460 tubes, RK-18,20,28 tubes
Butternut HF2V antenna, G-R test gear.....*

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997
From: "James C. Owen, III" <owen@piper.eeel.nist.gov>
Subject: [13970] RE: Ten Tec on the web?
Message-ID: <39515.owen@piper.eeel.nist.gov>

In message Thu, 6 Mar 97 15:43:55 EST,
Bill Acito 06-Mar-1997 1539 <acito@asdg.UNET.dec.com> writes:

>
> -Has Ten Tec's web page moved, or am I just having temporary
> difficulties?
>
It has moved. <http://www.contesting.com/tentec/>

> -Where did the Ten Tec mail reflector move to, and is there a
> replacement for the web-page archive (just like QRP-L, I prefer
> to read using the WWW on-line archive vs the digest or mail
> messages)?
>
>
tentec@contesting.com

To subscribe or unsubscribe send message to tentec-request@contesting.com

73 Jim K4CGY qrp-l #72

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997
From: mdwatt@usit.net (Marty Watt)
Subject: [13988] Re: Ten Tec on the web?
Message-ID: <332643e4.29342631@smtp.usit.net>

On Fri, 7 Mar 1997 10:58:32 -0500 (EST), "James C. Owen, III"
<owen@piper.eeel.nist.gov> wrote:

>> -Has Ten Tec's web page moved, or am I just having temporary
>> difficulties?

>>

>It has moved. <http://www.contesting.com/tentec/>

This is (apparently) a non-functioning address. Just tried it. Had good success with <http://www.tentec.com> though.

dunno about the reflectors ...

72 es 73 de=20

Marty, KM7W

Jackson, Tennessee e-mail: mdwatt@usit.net
<http://www.public.usit.net/mdwatt>
"The Curmudgeon's Corner"
NorCal #???? - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq
~~~~~

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: "James C. Owen, III" <[owen@piper.eeel.nist.gov](mailto:owen@piper.eeel.nist.gov)>  
Subject: [14006] RE: Ten Tec on the web?  
Message-ID: <49059.owen@piper.eeel.nist.gov>

In message Fri, 7 Mar 1997 08:27:26 -0800 (PST),  
"Allan G. Taylor" <[ataylor@midas.llnl.gov](mailto:ataylor@midas.llnl.gov)> writes:

> Surely you mean  
> [http://www.contesting.com/\\_tentec](http://www.contesting.com/_tentec) the underscore is NEEDED  
>  
> Grant K7GT  
>

Grant is correct. I made a typo and while I haven't tried it myself the FAQ will eventually be located at <http://www.contesting.com/tentec.html>  
Thanks for the correction Grant. 73 Jim K4CGY

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: "Brian K. Short KE7GH" <[ke7gh@primenet.com](mailto:ke7gh@primenet.com)>  
Subject: [14014] Re: Ten Tec on the web?  
Message-ID: <3.0.32.19970307180047.0069fdf0@mailhost.primenet.com>

As list administrator for the Yaesu reflector (also at [contesting.com](http://www.contesting.com)) I happen to know that there have been major improvements there and a few minor glitches along the way. A group of 4 avid testers bought a new server (computer) devoted to the reflectors. Improvements include

better throughput, WWW hypermail archive, and (coming soon) digests for all supported mailing lists.

tentec-request@contesting.com  
yaesu-request@contesting.com  
etc for subscribing,

[http://www.contesting.com/\\_tentec](http://www.contesting.com/_tentec)  
[http://www.contesting.com/\\_yaesu](http://www.contesting.com/_yaesu)  
etc for archives (do not use the old akorn addresses any longer)

Yaesu FAQ may be found at <http://www.primenet.com/~ke7gh/yaesu.html>

These have been BIG improvements thanks largely to the behind-the-scenes work of N4VJ and AD1C. The present minor, temporary difficulties MAY be due to the installation of the digest capability to be announced later...

Hope that helps!

At 04:36 PM 3/7/97 GMT, you wrote:

>>> -Has Ten Tec's web page moved, or am I just having temporary  
>>> difficulties?  
>>It has moved. <http://www.contesting.com/tentec/>  
>This is (apparently) a non-functioning address. Just tried it. Had  
>good success with <http://www.tentec.com> though.  
>dunno about the reflectors ...

Brian   ke7gh@qsl.net   QRP-L #1031   NC38s   APRS 30m QRP Test #1

From owner-qrp-l@Lehigh.EDU   Fri Mar  7 18:04:38 1997  
From: af852@rgfn.epcc.Edu (William R Colbert)  
Subject: [13983] RE: WARC Bands  
Message-ID: <9703071616.AA10601@rgfn.epcc.Edu>

A comment about John's recent query about using the WARC bands for contest activity. Larry is correct in one part about the small size of the existing bands (30 Meters is only 50 Khz and over half is now taken by digi modes) and it does give the non-contesters some respite from the frenzied activity on the other bands during a contest. One other reason for not having contests on 30 meters is that the band is still a 1st priority Commercial usage band, with Amateur services as secondary. Therefore, it would be detrimental to the multi-kw commercial users for a contest to pop up and perhaps disrupt their fishing for

square grouper, phone patches, etc.

--

Ray Colbert, W5XE, SOWP 1064M, 00TC 3618, FISTS 2146  
El Paso, Tx

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: "KA5T Larry Wise" <lewise@inetport.com>  
Subject: [13998] RE: WARC Bands  
Message-ID: <199703071725.LAA09580@admin.inetport.com>

Ahem...

As Ray mentioned, the 30m band is 50khz not 150khz as I had in my chart...

Blush..... Should have read:

30m 50 khz  
17m 100 khz  
12m 100 khz

Larry

KA5T Larry Wise Georgetown, Texas lewise@inetport.com QRP-L 89 ex K8OSG  
W6HED W4ZTB

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: "Brian K. Short KE7GH" <ke7gh@primenet.com>  
Subject: [13909] Re: WARC Bands?  
Message-ID: <3.0.32.199703070000007.006dba9c@mailhost.primenet.com>

>On 06-Mar-97 Stanley Wilson expounded:  
>>WE HAVE ENOUGH DAMM CONTESTS ON THE BANDS NOW.

Ummm... He may have a point! I am no big gun,  
but won a 1st US CQWW RTTY and 1st AZ June VHF  
QSO Party in 1993 and have been somewhat "hooked"  
since.

Recently, I have become interested in QRP entry.  
A local QRPer (N7IR) quietly places in the Top Ten

QRPP in major contests. I hope I am as fortunate, but lack the skill. Hopefully it will be fun learning and adjusting. With sunspots on the rise, timing may be on my side.

Anyway, QRP operation in the North American QSO Party (NAQP) has received some attention and QRP entries are flagged, but no there is not yet a QRP class. The National Contest Journal (NCJ) has mentioned that if activity and interest does continue, serious consideration will be given to an entry class.

RTTY is another of my interests and there have been a proliferation of contests. Some folks are asking for a few "off" weekends as there is a "major" RTTY contest every month.

If you look internationally at a contest schedule there are multiple contests every weekend. I ask you to check the LA9HW contest page for the most complete compilation of information that I have seen.

RTTY is a different mode and must have a separate contest (e.g. NAQP RTTY started last year). Maybe rather than more contests, simply move "QRP Contesting" into mainstream status. Afterall, it is CW and SSB and compatible with the mainstream contests. It would seem silly to propose a NAQP QRP since NOBODY can exceed 150w.

At one time, Field Day was permitted on WARC bands, but recall that Field Day is an "Operating Event" and NOT a "Contest." There are no plaques! It has been quite interesting to watch the "self-policing" and peer pressure with respect to the "contest-free" area on 20m recently.

IMHO, WARC bands should NOT be used for "contests" or "operating events." QRP operation is quite welcome in most major mainstream contests and perhaps the organizers should be contacted in those other cases IF interest exists.

There are links to both NCJ and the LA9HW pages from my page:  
<http://www.qsl.net/ke7gh>

My primary interest in QRP remains as operating on battery power, making casual QSOs, from our remote ranch QTH when I get the rare opportunity to get away and go there.

73, Brian

Brian    ke7gh@qsl.net    QRP-L #1031    NC38s    APRS 30m QRP Test #1

From owner-qrp-1@Lehigh.EDU   Fri Mar   7 18:04:38 1997  
From: Joe Gervais <vole@primenet.com>  
Subject: [13917] Re: WARC Bands?  
Message-ID: <199703070132.SAA17901@usr01.primenet.com>

Howdy Brian and All,

Brian (KE7GH) wrote:

> Maybe rather than more contests, simply move "QRP  
> Contesting" into mainstream status. Afterall, it  
> is CW and SSB and compatible with the mainstream  
> contests. It would seem silly to propose a NAQP  
> QRP since NOBODY can exceed 150w.

Though of course that's 145w more than CW QRP. :-)

One thing I like about the QRP-specific contests is  
that they tend to be alot more personal and friendly.  
It's nice to be in a contest and be able to say a few  
words with a friend during the exchange.

Along with that, QRP contests tend to be \*much\* more  
polite. Very rare is it that a QRPer will come up on  
someone else's freq in order to grab prime turf, for  
example. They'll actually call QRL? and then actually  
\*listen\* for a response. Heck, that's almost unheard  
of in daily ops much less a big contest. :-/

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"What, a RAW FROG?!? Don't you even take the bones out?"  
"If we took the bones out they wouldn't be crunchy, would they?"

From owner-qrp-1@Lehigh.EDU   Fri Mar   7 18:04:38 1997  
From: "Brian K. Short   KE7GH" <ke7gh@primenet.com>



Subject: [13923] Re: WARC Bands?

Message-ID: <3.0.32.19970307021408.006d9fac@mailhost.primenet.com>

At 06:32 PM 3/6/97 -0700, you wrote:

>Though of course that's 145w more than CW QRP. :-)

But of course, however, QRP entries are noted in the results and they are discussing adding a QRP entry class.

>One thing I like about the QRP-specific contests is  
>that they tend to be alot more personal and friendly.  
>It's nice to be in a contest and be able to say a few  
>words with a friend during the exchange.

Yes, and this seems to happen more frequently in VHF contests, also.

Semantic issues aside, the goal statement or stated purpose for many "contests" is to "contact as many radio amateurs as possible" within the rules etc... Something else is not a contest (by definition), but it may well be FUN!

>Along with that, QRP contests tend to be \*much\* more  
>polite. Very rare is it that a QRPer will come up on  
>someone else's freq in order to grab prime turf, for  
>example. They'll actually call QRL? and then actually  
>\*listen\* for a response. Heck, that's almost unheard  
>of in daily ops much less a big contest. :-/

I won't disagree and I think I'll have fun in QRP events, but there are also opportunities in existing mainstream events, too.

Many of the hardcore operate a couple weekends a year during major contests (and that is it). Personally, I get on occasionally to just casually operate. It is becoming difficult, though, as there are literally multiple "contests" EVERY WEEKEND!

Last year I entered the June VHF QSO Party (mountaintop) and the ANARTS (VK) RTTY Contest (from home) in the same weekend... Won a certificate for ANARTS, too! Trying to do this sort of thing can kinda burn you out!

Maybe it is just semantics? What is a contest?

Maybe more "operating events" would be more welcome than

yet another "contest" if you follow my meaning?

Such an event should have "FUN" as the stated goal. Oh,  
and EVERYBODY WINS...

But, the spirit of healthy competition does so motivate us...

>Cheers de AB7TT,

Brian ke7gh@qsl.net QRP-L #1031 NC38s APRS 30m QRP Test #1

From owner-qrp-l@Lehigh.EDU Fri Mar 7 18:04:38 1997  
From: "KA5T Larry Wise" <lewise@inetport.com>  
Subject: [13931] Re: WARC Bands?  
Message-ID: <199703070337.VAA20023@admin.inetport.com>

I think that the reason that 'they' decided not to have  
contests on the WARC bands was because of their  
small size....

30m 150 khz  
17m 100 khz  
12m 100 khz

compared to the 'old' bands...

160m 200 khz  
80m 500 khz  
40m 300 khz  
20m 350 khz  
15m 450 khz  
10m 1700 khz

Larry

KA5T Larry Wise Georgetown, Texas lewise@inetport.com QRP-L 89 ex K80SG  
W6HED W4ZTB